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Stark Broadening Functions for the Hydrogen Lines



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Numerical values of the intensities of the Stark components of the hydrogen lines and the Stark broadening functions, $S(\alpha)$, are presented for all series members up to and including $n=18$. The $S(\alpha)$ functions are tabulated for lines of the Balmer, Lyman, Paschen, and Brackett series of hydrogen. The data can be used to compute self-consistent profiles of the hydrogen lines in stellar spectra.

1. Introduction

The hydrogen lines are prominent in almost all stellar spectra. If the observations are to be interpreted quantitatively, one must know the shape of the line-absorption coefficient. This paper presents numerical values of the intensities of the Stark components of the hydrogen lines and the Stark broadening functions, $S(\alpha)$, which result from a simple theory of the Stark effect of hydrogen in stellar atmospheres. Although there are some grounds for thinking that the simple adiabatic theory of the Stark effect of hydrogen in stellar atmospheres fails in part, the data presented here are useful. With these data, one can compute line profiles for the hydrogen lines in stellar spectra and obtain a self-consistent set of results. Until one has a set of computed line profiles for all the hydrogen lines with which to compare the observations, one cannot estimate the importance of a more detailed and more physically exact treatment of the problem. The Stark broadening of the hydrogen lines as treated by Verweij [1]* has been summarized in several places, e.g., Unsöld [2]. According to these ideas, the line-absorption coefficient of a hydrogen line broadened by linear Stark effect in a stellar atmosphere where the electric field results from the close passage of singly charged particles which have a partial pressure P may be expressed as

$$l_\nu d\nu = \frac{\pi e^2}{mc} \left[\frac{\lambda^2}{cF_0} f_\pm S(\alpha) + \frac{f_0}{\sqrt{\pi}} \frac{H(a, v)}{\Delta\nu_D} \right] d\nu. \quad (1)$$

Here $f_\pm$ is the part of the f -value of the line contributed by components which are displaced in an electric field, and f_0 is the part of the f -value contributed by undisplaced components. Thus

$$f_\pm + f_0 = f. \quad (2)$$

The Stark broadening function, $S(\alpha)$, is normalized and, it is defined by

$$S(\alpha) = \frac{1}{n'^2 f_\pm} \sum \frac{f_k}{c_k} W\left(\frac{\alpha}{c_k}\right). \quad (3)$$

The sum is extended over all Stark components of the hydrogen line which are displaced positively (or negatively) in an electric field. Here n' is the principal quantum number of the lower level, c_k is the displacement constant of each component, and $W\left(\frac{\alpha}{c_k}\right)$ is the Holtzmark probability function. The variable α is

$$\alpha = \Delta\lambda/F_0, \quad (4)$$

where F_0 (in electrostatic units) is the normal field strength due to singly charged particles at partial pressure P and temperature T , that is

$$F_0 = 46.95 \left(\frac{P}{T} \right)^{3/2} \quad (5a)$$

Alternatively,

$$F_0 = 1.25 \times 10^{-9} N^{3/2}, \quad (5b)$$

* Figures in brackets indicate the literature references on page viii.

where N is the number of particles per cubic centimeter causing the broadening. In eq (4), $\Delta\lambda$ is the distance from the center of the line in wavelength units. In the present tables α is expressed in angstroms per electrostatic unit. The function $S(\alpha)$ is an even function of α .

The function $H(a, v)$ is given by Harris [3] as a power in a . The quantity $\Delta\nu_D$ is the half half-width of the line due to thermal motion.

In eq (1) it is assumed that the thermal and damping broadening are negligible in comparison to Stark effect. The necessary modifications in the formula, if this is not so, have been given by Underhill [4]. The object of this paper is to tabulate the $S(\alpha)$ function for lines of the Balmer, Lyman, Paschen, and Brackett series of hydrogen. These results may also be used for any hydrogen-like spectral line having the same principal quantum numbers as the hydrogen line when an appropriate change in units is made. The f -values of the individual Stark components and the $S(\alpha)$ functions are tabulated for all series members up to and including $n=18$.

2. Computational Procedure

In a weak electric field, each Stark component of a hydrogen-like line is described by the 6 parabolic quantum numbers $n'_1, n'_2, m', n_1, n_2, m$. Here the primes refer to the lower level. The following relations exist:

$$n_1 \geq 0,$$

$$n_2 \leq n-1,$$

$$|m| = n-1-n_1-n_2,$$

where n is the principal quantum number of the level. The possible components are determined by the selection rules $\Delta m=0$, which gives components polarized parallel to the field, and $\Delta m=\pm 1$, which gives components polarized perpendicular to the field. Each component, k , is displaced in wavelength from the zero-field position of the line n', n by an amount

$$\Delta\lambda_k = c_k F. \quad (6)$$

Here F is the strength of the field in electrostatic units and

$$c_k = \frac{3h^7 c}{32\pi^6 m^3 e^9} \frac{n'^4 n^4}{(n^2 - n'^2)^2} \frac{X_k}{Z^5}, \quad (7)$$

where

$$X_k = n(n_2 - n_1) - n'(n'_2 - n'_1), \quad (8)$$

and Z is the charge on the nucleus atomic number, 1 for hydrogen, 2 for He^+ ion.

The matrix elements for the individual Stark components may be computed from formulas obtained by solving the hydrogen problem in parabolic coordinates (cf. Bethe and Salpeter [5]). Since the oscillator strength of any transition in a hydrogen-like spectrum is independent of the nuclear charge, Z , it is most useful to compute f -values. The following formulas, derived from the expressions for the matrix elements and the definition of absorption f -value, were used:

Case $m' - m = 0$ (π components)

$$f(n'_1 n'_2 m' / n_1 n_2 m) = \frac{1}{48} \left[\frac{1}{n'^2} - \frac{1}{n^2} \right] \left(\frac{n-n'}{n+n'} \right)^{2(n+n')} \frac{1}{(m')^4} \left(\frac{4nn'}{(n-n')^2} \right)^{2m'+4} \frac{(n_1+m)!}{n_1!} \frac{(n_2+m)!}{n_2!} \frac{(n'_1+m')!}{n'_1!} \frac{(n'_2+m')!}{n'_2!} \\ \left\{ \left[2(n'_1 - n'_2) \frac{n^2 + n'^2}{(n+n')^2} - (n_1 - n_2) \frac{4nn'}{(n'+n)^2} \right] \psi_{m'}(n_1, n'_1) \psi_{m'}(n_2, n'_2) \right. \\ \left. - 2[n'_1 \psi_{m'}(n_1, n'_1 - 1) \psi_{m'}(n_2, n'_2) - n'_2 \psi_{m'}(n_1, n'_1) \psi_{m'}(n_2, n'_2 - 1)] \right\}^2. \quad (9)$$

Case $m' - m = +1$ (σ components)

$$f\left(\begin{smallmatrix} n'_1 n'_2 m' \\ n_1 n_2 m \end{smallmatrix}\right) = \frac{1}{48} \left[\frac{1}{n'^2} - \frac{1}{n^2} \right] \left(\frac{n-n'}{n+n'} \right)^{2(n+n')} \frac{1}{(m!)^4} \left(\frac{4nn'}{(n-n')^2} \right)^{2m+4} \frac{(n_1+m)!}{n_1!} \frac{(n_2+m)!}{n_2!} \frac{(n'_1+m')!}{n'_1!} \frac{(n'_2+m')!}{n'_2!} \left\{ \psi_m(n_2, n'_1) \psi_m(n_2, n'_2) - \left(\frac{n-n'}{n+n'} \right)^2 \psi_m(n_2, n'_2+1) \right\}^2. \quad (10)$$

Case $m' - m = -1$ (σ components)

$$f\left(\begin{smallmatrix} n'_1 n'_2 m' \\ n_1 n_2 m \end{smallmatrix}\right) = \frac{1}{48} \left[\frac{1}{n'^2} - \frac{1}{n^2} \right] \left(\frac{n-n'}{n+n'} \right)^{2(n+n')} \frac{1}{(m')^4} \left(\frac{4nn'}{(n-n')^2} \right)^{2m'+4} \frac{(n_1+m)!}{n_1!} \frac{(n_2+m)!}{n_2!} \frac{(n'_1+m')!}{n'_1!} \frac{(n'_2+m')!}{n'_2!} \left\{ \psi_{m'}(n_1, n'_1) \psi_{m'}(n_2, n'_2) - \left(\frac{n-n'}{n+n'} \right)^2 \psi_{m'}(n_1+1, n'_1) \psi_{m'}(n_2+1, n'_2) \right\}^2. \quad (11)$$

Here

$$\psi_m(n_i, n'_i) = 1 - \frac{n_i n'_i}{m+1} \cdot \frac{4nn'}{(n-n')^2} + \frac{n'_i(n_i-1)n'_i(n'_i-1)}{(m+1)(m+2)2!} \left(\frac{4nn'}{(n-n')^2} \right)^2 \dots \quad (12)$$

These formulas are exact if there is no electric field, for they are derived from the zero-order wave functions. It is presumed that they will be reasonably true in the case of first-order (linear) Stark effect. The resulting f -values are listed in table I for the lines of the Lyman, Balmer, Paschen, and Brackett series. The line is identified by the principal quantum numbers, (n', n) and the 6 parabolic quantum numbers, $(n'_1, n'_2, m', n_1, n_2, m)$. In addition to the f -value, the displacement factor, X , computed from eq (8) is entered in table I. Only the components with X equal to zero or a positive number are listed. There are equal numbers of negatively and positively displaced components and since f -values of the negatively displaced components are identical with those of the positively displaced components, the negatively displaced components are not listed. The numbers listed under the right-hand partition of the f -value column give the power of 10 by which the listed number is to be multiplied.

The f -values were computed to 8 significant figures with the IBM 650 computer of the National Bureau of Standards Laboratory, Boulder, Colo., and rounded to 6 figures. The f -values for both positively and negatively displaced components were computed and the internal consistency of the results was checked by comparing these values. No discrepancies were found.

The total f -value for the line may be found by summing the component f -values. The sum is extended over all possible components giving the listed values for the σ components weight 4, (2 to allow for the x and y directions and 2 to allow for the fact that m' and m may take negative as well as positive values), the π components with $m \neq 0$ weight 2, and those with $m=0$ weight 1. In addition the total for all components with a positive value of X must be multiplied by 2 to allow for the unlisted, negatively displaced components. The final sum is divided by n'^2 , the weight of the lower level. Thus,

$$f = \frac{1}{n'^2} [\Sigma \text{ wt } f_+ + \Sigma \text{ wt } f_- + \Sigma \text{ wt } f_0]. \quad (13)$$

The first two terms together equal $f_{\pm}$, the last term equals f_0 . The partial f -values, $f_{\pm}$ and f_0 , together with the total f -value for each line are given in table II. The total f -values agree with those given by Green, Rush, and Chandler [6] to the fifth decimal. Beyond that small discrepancies occur which never exceed ± 0.000005 and are usually considerably smaller than this.

For comparison with experiment, and for forming $S(\alpha)$ according to eq (3), it is convenient to have the summed f -values of individual components with the same displacement constant c_k . These partial sums were formed by using the weighting described above. The results for positive values of X are listed in table III. Columns 1 and 2 identify the line by its principal quantum numbers, column 3 gives c_k computed from eq (7) with $Z=1$. This number is listed in the IBM floating point system, in which the last two digits determine the power of 10 by which the first eight digits are to be multiplied. On

this system, if xx are the last two digits, the decimal point should be displaced $xx-50$ places in front of the first eight digits. A positive value indicates displacement to the right, a negative value displacement to the left. Thus, the first entry of table III, column 3, in usual notation is 0.00056679314. Column 4 gives X , and column 5 gives the partial f -value. The values of the physical constants given by Allen [7] were adopted.

It should perhaps be noted that the distribution of f -values with X is not monotonic. This irregular distribution eventually produces the two or more reversals in $S(\alpha)$ which occur for high series members.

The data of tables II and III were used to compute the function $S(\alpha)$ according to eq (3). The results are given in centimeter-gram-second system units in table IV.

The Holtzmark probability function is expressed exactly by the series

$$W(\beta) = \frac{4}{3\pi} \sum_{l=0}^{\infty} (-1)^l \frac{\Gamma\left(\frac{4l+6}{3}\right)}{(2l+1)!} \beta^{2l+2}, \quad (14)$$

where

$$\beta = \frac{\alpha}{c_k}. \quad (15)$$

This series, when the sum is extended to $l=35$, will give values of $W(\beta)$ accurate to at least 4 significant figures for $\beta \leq 3.000$, if 8 significant figures are carried in each term. For larger values of β it is necessary to carry more than 8 significant figures in each term in order to obtain 4 significant figures in $W(\beta)$.

The asymptotic series

$$W(\beta) = \frac{2}{\pi} \sum_{l=0}^{23} (-1)^{l+1} \frac{\Gamma\left(\frac{3l+4}{2}\right)}{l!} \sin\left(\frac{3l}{4}\pi\right) \beta^{-\left(\frac{3l}{2}+1\right)} \quad (16)$$

gives $W(\beta)$ accurately to 4 significant figures or more when $\beta \geq 4.600$. This series becomes increasingly accurate as β increases.

The function $W(\beta)$ may be computed in the range $3.000 < \beta < 4.600$ by the empirical formula

$$W(\beta) = 1.1538 - 0.5625\beta + 0.0951\beta^2 - 0.0054\beta^3. \quad (17)$$

This formula was found by computing $W(\beta)$ to 4 significant figures according to the exact series for $\beta=3.0, 3.2, 3.4, 3.6, 3.8$ and 4.0 , and by the approximate series for $\beta=4.2, 4.4$, and 4.6 . A polynomial in β was then fitted to the computed points. These computations were carried out with an electric desk calculator and sufficient significant figures were carried at each stage to maintain the desired accuracy. The first series was summed to $l=60$ when $\beta=4.000$; the second series was broken off at $l=19$ for $\beta=4.2$, but carried to $l=23$ for larger values of β . The coefficients of β in eq (14) and (16) were computed by hand to 10 significant figures and rounded to 8 figures. They are given in table V.

3. Discussion of Results

The $S(\alpha)$ functions for the various lines are given in tables IV. These tables have been calculated for the hydrogen lines with $Z=1$. They may be used for hydrogen-like spectra by multiplying each tabular value of $S(\alpha)$ by Z^5 and by taking the listed value at α equals Z^5 times the desired value of α . In the case of the He II "4—9" line, $\lambda 4541$, the value of $S(\alpha)$ when $\alpha(\text{He II})=0.1$ would be found as follows:

	α	$S(\alpha)$
Hydrogen 4—9 line.....	3.2	6.06×10^6
He II 4—9 line	$3.2/2^5 = 0.1$	$6.06 \times 10^6 \times 2^5 = 1.939 \times 10^8$.†

†Value computed by Underhill [8] is 1.648×10^8 . This difference arises in the use of different physical constants and a numerical error in the hand calculation. The effect of this error decreases as $\alpha(\text{He II})$ increases.

The $S(\alpha)$ function for He II, λ 4686, computed by Unsöld [9], when expressed in the same units as the present results, is in agreement with these results.

Table II contains the f -values, f_0 , of the undisplaced components. It will be noted that in the Lyman and Paschen series the lines with an odd upper principal quantum number have a central component of zero strength while in the Balmer series this is true for lines with an even upper principal quantum number. This rule of alternating lines with central components of zero strength does not hold for the first few numbers of the Brackett series. Because of commensurabilities among the quantum numbers, the lines 4—6 and 4—8 have nonzero central components. This rule is reestablished for line 4—10 and higher members of the series.

The $S(\alpha)$ function for H_α , H_δ , and for H 14 is plotted against α in figure 1. A logarithmic scale is used for both coordinates. For large values of α the $S(\alpha)$ function varies as $\alpha^{-5/2}$ for all lines. For H_α , the critical value beyond which the "five-halves" law is valid is about $\alpha=0.32$; for H_δ it is about $\alpha=1.6$; and for H 14 it is about $\alpha=6.3$. For values of α slightly smaller than the critical values, the $S(\alpha)$ curve is steeper than $\alpha^{-5/2}$, and for a range near the maximum of the curve the change of $S(\alpha)$ with increasing α is not great. The value of α corresponding to a given $\Delta\lambda$ from the center of a hydrogen line depends upon the density of charged particles causing the broadening (see eq 5). In the middle B -type atmospheres F_0 may be of the order of 20 to 40 esu, thus α will be of the order $0.05 \Delta\lambda$ to $0.025 \Delta\lambda$. Then the $\alpha^{-5/2}$ part of the curve generally will not be reached for any line except H_α until $\Delta\lambda$ exceeds 40 Å. In early B -type or late O -type atmospheres, F_0 may run from 1 to 10 esu, thus α will run from $\Delta\lambda$ to $0.1 \Delta\lambda$. In these atmospheres the $\alpha^{-5/2}$ part of the curve may be reached for the first members of the Balmer series near $\Delta\lambda=10$ Å.

Since the separation between H 14 and H 15 is only 10 Å, one may see from the very broad $S(\alpha)$ function for H 14 why hydrogen lines beyond H 14 are not observed in the spectra of B -type main-sequence stars. The broadened line-absorption coefficients overlap so strongly that a nearly uniform continuous absorption occurs. In this case the present representation may not be correct in detail, however, for the theory used assumes that the displacement of the usually degenerate sublevels by the electric field is small in comparison to the separation in energy between levels with different n . When

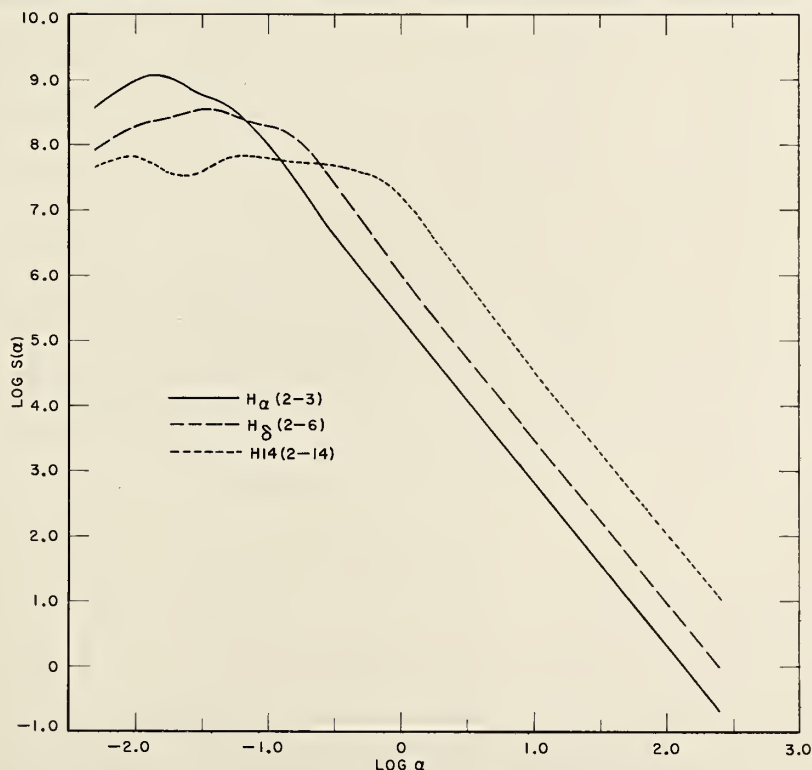


FIGURE 1. The increase of Stark broadening along a series.

the Stark displacement becomes comparable to the level separation, the electric fields are "strong", and higher order Stark effects will be of importance.

In objects of low density, such as the solar chromosphere and the shells surrounding *B*-type stars, where the density of charged particles may be of the order of 10^{12} , F_0 may be of the order of 0.1 and α will be about $10\Delta\lambda$. Then, for all lines at distances more than 1 Å from the center $S(\alpha)$ will vary as $\alpha^{-5/2}$. At the start of the $\alpha^{-5/2}$ part of the curve, $S(\alpha)$ is about 0.005 times its maximum value in each case.

Figure 2 gives $\log S(\alpha)$ versus $\log \alpha$ for the lines 1—7, 2—7, 3—7, and 4—7. It is apparent that as n' increases the Stark broadening function widens greatly.

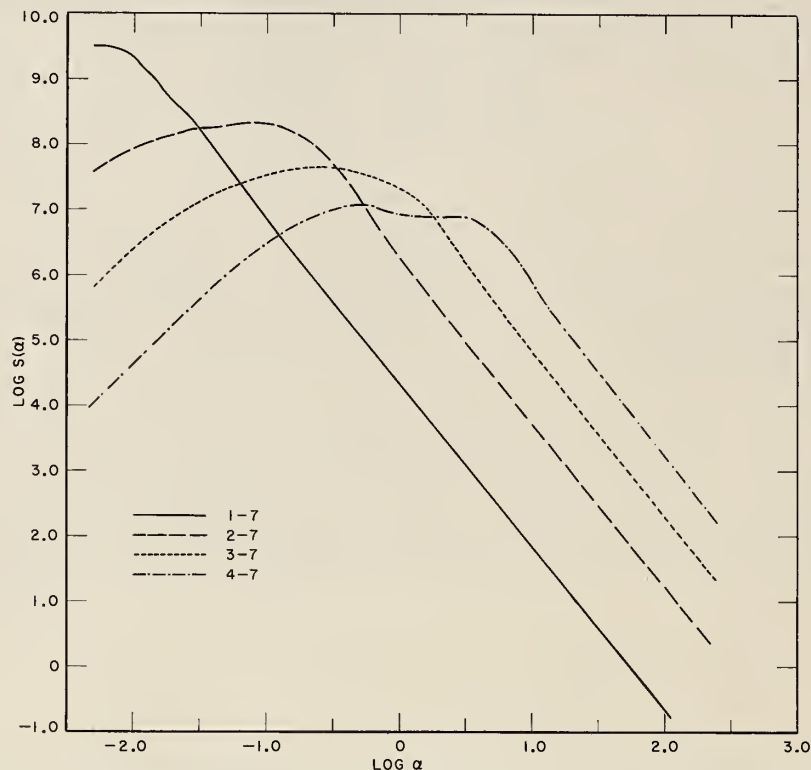


FIGURE 2. The increase of Stark broadening as n' increases, n remaining fixed.

This research represents one phase of a collaborative investigation on problems of the solar and stellar atmospheres between the Boulder Laboratories of the U.S. National Bureau of Standards, the Sacramento Peak Observatory of the Geophysical Research Directorate of the U.S. Air Force, and the Dominion Astrophysical Observatory of the Department of Mines and Technical Surveys, Canada.

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Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X	n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X
1	2	0	0	0	0	0	1	6.93661 - 2	0	1	10	0	0	0	3	5	1	3.89180 - 5	20
1	2	0	0	0	0	1	0	6.93661 - 2	2	1	10	0	0	0	3	6	0	1.45942 - 5	30
										1	10	0	0	0	2	6	1	3.40532 - 5	40
1	3	0	0	0	1	1	0	0.00000	0	1	10	0	0	0	2	7	0	4.05396 - 5	50
1	3	0	0	0	0	1	1	6.59180 - 3	3	1	10	0	0	0	1	7	1	2.59453 - 5	60
1	3	0	0	0	0	2	0	1.31836 - 2	6	1	10	0	0	0	1	8	0	7.94576 - 5	70
										1	10	0	0	0	0	8	1	1.45942 - 5	80
1	4	0	0	0	1	1	1	1.93274 - 3	0	1	10	0	0	0	0	9	0	1.31348 - 4	90
1	4	0	0	0	1	2	0	4.83184 - 4	4										
1	4	0	0	0	0	2	1	1.44955 - 3	8	1	11	0	0	0	5	5	0	0.00000	0
1	4	0	0	0	0	3	0	4.34865 - 3	12	1	11	0	0	0	4	5	1	2.72846 - 5	11
										1	11	0	0	0	4	6	0	3.63794 - 6	22
1	5	0	0	0	2	2	0	0.00000	0	1	11	0	0	0	3	6	1	2.54656 - 5	33
1	5	0	0	0	1	2	1	6.96917 - 4	5	1	11	0	0	0	3	7	0	1.45518 - 5	44
1	5	0	0	0	1	3	0	4.64611 - 4	10	1	11	0	0	0	2	7	1	2.18277 - 5	55
1	5	0	0	0	0	3	1	4.64611 - 4	15	1	11	0	0	0	2	8	0	3.27415 - 5	66
1	5	0	0	0	0	4	0	1.85845 - 3	20	1	11	0	0	0	1	8	1	1.63707 - 5	77
										1	11	0	0	0	1	9	0	5.82071 - 5	88
1	6	0	0	0	2	2	1	3.34264 - 4	0	1	11	0	0	0	0	9	1	9.09486 - 6	99
1	6	0	0	0	2	3	0	3.71404 - 5	6	1	11	0	0	0	0	10	0	9.09485 - 5	110
1	6	0	0	0	1	3	1	2.97124 - 4	12										
1	6	0	0	0	1	4	0	3.34264 - 4	18	1	12	0	0	0	5	5	1	1.93308 - 5	0
1	6	0	0	0	0	4	1	1.85702 - 4	24	1	12	0	0	0	5	6	0	5.36967 - 7	12
1	6	0	0	0	0	5	0	9.28511 - 4	30	1	12	0	0	0	4	6	1	1.87938 - 5	24
										1	12	0	0	0	4	7	0	4.83270 - 6	36
1	7	0	0	0	3	3	0	0.00000	0	1	12	0	0	0	3	7	1	1.71829 - 5	48
1	7	0	0	0	2	3	1	1.71927 - 4	7	1	12	0	0	0	3	8	0	1.34242 - 5	60
1	7	0	0	0	2	4	0	5.73089 - 5	14	1	12	0	0	0	2	8	1	1.44981 - 5	72
1	7	0	0	0	1	4	1	1.43272 - 4	21	1	12	0	0	0	2	9	0	2.63114 - 5	84
1	7	0	0	0	1	5	0	2.29236 - 4	28	1	12	0	0	0	1	9	1	1.07393 - 5	96
1	7	0	0	0	0	5	1	8.59634 - 5	35	1	12	0	0	0	1	10	0	4.34943 - 5	108
1	7	0	0	0	0	6	0	5.15780 - 4	42	1	12	0	0	0	0	10	1	5.90664 - 6	120
										1	12	0	0	0	0	11	0	6.49730 - 5	132
1	8	0	0	0	3	3	1	1.01061 - 4	0										
1	8	0	0	0	3	4	0	6.31632 - 6	8	1	13	0	0	0	6	6	0	0.00000	0
1	8	0	0	0	2	4	1	9.47448 - 5	16	1	13	0	0	0	5	6	1	1.38988 - 5	13
1	8	0	0	0	2	5	0	5.68469 - 5	24	1	13	0	0	0	5	7	0	1.32370 - 6	26
1	8	0	0	0	1	5	1	7.57959 - 5	32	1	13	0	0	0	4	7	1	1.32370 - 5	39
1	8	0	0	0	1	6	0	1.57908 - 4	40	1	13	0	0	0	4	8	0	5.29480 - 6	52
1	8	0	0	0	0	6	1	4.42143 - 5	48	1	13	0	0	0	3	8	1	1.19133 - 5	65
1	8	0	0	0	0	7	0	3.09500 - 4	56	1	13	0	0	0	3	9	0	1.19133 - 5	78
										1	13	0	0	0	2	9	1	9.92774 - 6	91
1	9	0	0	0	4	4	0	0.00000	0	1	13	0	0	0	2	10	0	2.11792 - 5	104
1	9	0	0	0	3	4	1	6.15586 - 5	9	1	13	0	0	0	1	10	1	7.28034 - 6	117
1	9	0	0	0	3	5	0	1.23117 - 5	18	1	13	0	0	0	1	11	0	3.30925 - 5	130
1	9	0	0	0	2	5	1	5.54027 - 5	27	1	13	0	0	0	0	11	1	3.97110 - 6	143
1	9	0	0	0	2	6	0	4.92469 - 5	36	1	13	0	0	0	0	12	0	4.76532 - 5	156
1	9	0	0	0	1	6	1	4.30910 - 5	45										
1	9	0	0	0	1	7	0	1.10805 - 4	54	1	14	0	0	0	6	6	1	1.03636 - 5	0
1	9	0	0	0	0	7	1	2.46234 - 5	63	1	14	0	0	0	6	7	0	2.11503 - 7	14
1	9	0	0	0	0	8	0	1.96987 - 4	72	1	14	0	0	0	5	7	1	1.01521 - 5	28
										1	14	0	0	0	5	8	0	1.90353 - 6	42
1	10	0	0	0	4	4	1	4.05396 - 5	0	1	14	0	0	0	4	8	1	9.51763 - 6	56
1	10	0	0	0	4	5	0	1.62158 - 6	10	1	14	0	0	0	4	9	0	5.28757 - 6	70

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X	n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X		
1	14	0	0	0	3	9	1	8.46012	- 6	84	1	17	0	0	0	2	14	0	9.44341	- 6	204
1	14	0	0	0	3	10	0	1.03636	- 5	98	1	17	0	0	0	1	14	1	1.96738	- 6	221
1	14	0	0	0	2	10	1	6.97960	- 6	112	1	17	0	0	0	1	15	0	1.28535	- 5	238
1	14	0	0	0	2	11	0	1.71317	- 5	126	1	17	0	0	0	0	15	1	1.04927	- 6	255
1	14	0	0	0	1	11	1	5.07607	- 6	140	1	17	0	0	0	0	16	0	1.67883	- 5	272
1	14	0	0	0	1	12	0	2.55919	- 5	154											
1	14	0	0	0	0	12	1	2.74954	- 6	168	1	18	0	0	0	8	8	1	3.76455	- 6	0
1	14	0	0	0	0	13	0	3.57440	- 5	182	1	18	0	0	0	8	9	0	4.64759	- 8	18
											1	18	0	0	0	7	9	1	3.71807	- 6	36
1	15	0	0	0	7	7	0	0.00000		0	1	18	0	0	0	7	10	0	4.18283	- 7	54
1	15	0	0	0	6	7	1	7.81040	- 6	15	1	18	0	0	0	6	10	1	3.57864	- 6	72
1	15	0	0	0	6	8	0	5.57886	- 7	30	1	18	0	0	0	6	11	0	1.16190	- 6	90
1	15	0	0	0	5	8	1	7.53146	- 6	45	1	18	0	0	0	5	11	1	3.34626	- 6	108
1	15	0	0	0	5	9	0	2.23154	- 6	60	1	18	0	0	0	5	12	0	2.27732	- 6	126
1	15	0	0	0	4	9	1	6.97357	- 6	75	1	18	0	0	0	4	12	1	3.02093	- 6	144
1	15	0	0	0	4	10	0	5.02097	- 6	90	1	18	0	0	0	4	13	0	3.76455	- 6	162
1	15	0	0	0	3	10	1	6.13674	- 6	105	1	18	0	0	0	3	13	1	2.60265	- 6	180
1	15	0	0	0	3	11	0	8.92617	- 6	120	1	18	0	0	0	3	14	0	5.62358	- 6	198
1	15	0	0	0	2	11	1	5.02097	- 6	135	1	18	0	0	0	2	14	1	2.09142	- 6	216
1	15	0	0	0	2	12	0	1.39471	- 5	150	1	18	0	0	0	2	15	0	7.85443	- 6	234
1	15	0	0	0	1	12	1	3.62626	- 6	165	1	18	0	0	0	1	15	1	1.48723	- 6	252
1	15	0	0	0	1	13	0	2.00839	- 5	180	1	18	0	0	0	1	16	0	1.04571	- 5	270
1	15	0	0	0	0	13	1	1.95260	- 6	195	1	18	0	0	0	0	16	1	7.90090	- 7	288
1	15	0	0	0	0	14	0	2.73364	- 5	210	1	18	0	0	0	0	17	0	1.34315	- 5	306
1	16	0	0	0	7	7	1	6.04829	- 6	0	2	3	0	0	1	0	0	2	2.08735	- 1	0
1	16	0	0	0	7	8	0	9.45045	- 8	16	2	3	0	0	1	1	1	0	3.99533	- 2	0
1	16	0	0	0	6	8	1	5.95378	- 6	32	2	3	0	1	0	0	1	1	8.76979	- 2	1
1	16	0	0	0	6	9	0	8.50540	- 7	48	2	3	1	0	0	1	1	0	6.60452	- 2	2
1	16	0	0	0	5	9	1	5.67027	- 6	64	2	3	0	0	1	0	1	1	1.04368	- 1	3
1	16	0	0	0	5	10	0	2.36261	- 6	80	2	3	0	1	0	0	2	0	1.52294	- 1	4
1	16	0	0	0	4	10	1	5.19775	- 6	96	2	3	1	0	0	0	1	1	7.24776	- 4	5
1	16	0	0	0	4	11	0	4.63072	- 6	112	2	3	0	0	1	0	2	0	8.15373	- 4	6
1	16	0	0	0	3	11	1	4.53622	- 6	128	2	3	1	0	0	0	2	0	9.05970	- 5	8
1	16	0	0	0	3	12	0	7.65486	- 6	144											
1	16	0	0	0	2	12	1	3.68568	- 6	160	2	4	0	0	1	1	1	1	0.00000		0
1	16	0	0	0	2	13	0	1.14350	- 5	176	2	4	1	0	0	1	1	1	3.42549	- 3	2
1	16	0	0	0	1	13	1	2.64613	- 6	192	2	4	0	1	0	1	2	0	8.56372	- 4	2
1	16	0	0	0	1	14	0	1.59713	- 5	208	2	4	0	0	1	1	2	0	3.42549	- 3	4
1	16	0	0	0	0	14	1	1.41757	- 6	224	2	4	0	0	1	0	1	2	1.82693	- 2	4
1	16	0	0	0	0	15	0	2.12635	- 5	240	2	4	1	0	0	1	2	0	7.70735	- 3	6
											2	4	0	1	0	0	2	1	1.39874	- 2	6
1	17	0	0	0	8	8	0	0.00000		0	2	4	0	0	1	0	2	1	1.82693	- 2	8
1	17	0	0	0	7	8	1	4.72170	- 6	17	2	4	1	0	0	0	2	1	2.85457	- 4	10
1	17	0	0	0	7	9	0	2.62317	- 7	34	2	4	0	1	0	0	3	0	3.43500	- 2	10
1	17	0	0	0	6	9	1	4.59054	- 6	51	2	4	0	0	1	0	3	0	3.80610	- 4	12
1	17	0	0	0	6	10	0	1.04927	- 6	68	2	4	1	0	0	0	3	0	9.51524	- 5	14
1	17	0	0	0	5	10	1	4.32823	- 6	85											
1	17	0	0	0	5	11	0	2.36085	- 6	102	2	5	0	0	1	1	1	2	5.70477	- 3	0
1	17	0	0	0	4	11	1	3.93475	- 6	119	2	5	0	0	1	2	2	0	1.30982	- 3	0
1	17	0	0	0	4	12	0	4.19707	- 6	136	2	5	1	0	0	2	2	0	1.54752	- 3	2
1	17	0	0	0	3	12	1	3.41012	- 6	153	2	5	0	1	0	1	2	1	2.28429	- 3	3
1	17	0	0	0	3	13	0	6.55792	- 6	170	2	5	0	0	1	1	2	1	9.50795	- 4	5
1	17	0	0	0	2	13	1	2.75433	- 6	187	2	5	1	0	0	1	2	1	2.87616	- 4	7

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X	n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X		
2	5	0	1	0	1	3	0	1.50642	-4	8	2	8	0	0	1	3	3	1	0.00000	0	
2	5	0	0	1	0	2	2	3.80318	-3	10	2	8	1	0	0	3	3	1	1.29850	-4	2
2	5	0	0	1	1	3	0	5.57107	-4	10	2	8	0	1	0	3	4	0	7.30407	-5	6
2	5	1	0	0	1	3	0	1.64814	-3	12	2	8	0	0	1	2	3	2	5.54027	-4	8
2	5	0	1	0	0	3	1	4.12170	-3	13	2	8	0	0	1	3	4	0	1.29850	-4	8
2	5	0	0	1	0	3	1	5.70477	-3	15	2	8	1	0	0	3	4	0	2.02891	-4	10
2	5	1	0	0	0	3	1	1.28357	-4	17	2	8	0	1	0	2	4	1	2.86211	-4	14
2	5	0	1	0	0	4	0	1.30506	-2	18	2	8	0	0	1	2	4	1	1.38507	-4	16
2	5	0	0	1	0	4	0	2.00558	-4	20	2	8	1	0	0	2	4	1	2.65111	-5	18
2	5	1	0	0	0	4	0	7.22010	-5	22	2	8	0	1	0	2	5	0	1.04241	-5	22
											2	8	0	0	1	1	4	2	4.15520	-4	24
2	6	0	0	1	2	2	1	0.00000		0	2	8	0	0	1	2	5	0	6.98305	-5	24
2	6	1	0	0	2	2	1	4.63486	-4	2	2	8	1	0	0	2	5	0	1.92214	-4	26
2	6	0	1	0	2	3	0	2.05994	-4	4	2	8	0	1	0	1	5	1	4.15953	-4	30
2	6	0	0	1	1	2	2	2.08569	-3	6	2	8	0	0	1	1	5	1	4.43222	-4	32
2	6	0	0	1	2	3	0	4.63486	-4	6	2	8	1	0	0	1	5	1	4.32834	-7	34
2	6	1	0	0	2	3	0	8.23975	-4	8	2	8	0	1	0	1	6	0	4.44412	-4	38
2	6	0	1	0	1	3	1	1.26171	-3	10	2	8	0	0	1	0	5	2	1.93910	-4	40
2	6	0	0	1	1	3	1	9.26971	-4	12	2	8	0	0	1	1	6	0	5.19401	-6	40
2	6	1	0	0	1	3	1	2.57492	-5	14	2	8	1	0	0	1	6	0	5.48617	-5	42
2	6	0	1	0	1	4	0	4.63486	-4	16	2	8	0	1	0	0	6	1	3.84032	-4	46
2	6	0	0	1	0	3	2	1.15871	-3	18	2	8	0	0	1	0	6	1	5.81729	-4	48
2	6	0	0	1	1	4	0	1.15871	-4	18	2	8	1	0	0	0	6	1	2.04514	-5	50
2	6	1	0	0	1	4	0	4.63486	-4	20	2	8	0	1	0	0	7	0	2.02599	-3	54
2	6	0	1	0	0	4	1	1.60933	-3	22	2	8	0	0	1	0	7	0	4.67461	-5	56
2	6	1	0	0	0	5	0	5.14984	-5	32	2	8	1	0	0	0	7	0	2.62947	-5	58
2	6	0	0	1	0	4	1	2.31743	-3	24											
2	6	1	0	0	0	4	1	6.43730	-5	26	2	9	0	0	1	3	3	2	3.38996	-4	0
2	6	0	1	0	0	5	0	6.23131	-3	28	2	9	0	0	1	4	4	0	8.26436	-5	0
2	6	0	0	1	0	5	0	1.15871	-4	30	2	9	1	0	0	4	4	0	8.68811	-5	2
											2	9	0	1	0	3	4	1	1.18034	-4	7
2	7	0	0	1	2	2	2	1.05698	-3	0	2	9	0	0	1	3	4	1	1.69498	-5	9
2	7	0	0	1	3	3	0	2.53350	-4	0	2	9	1	0	0	3	4	1	4.55265	-5	11
2	7	1	0	0	3	3	0	2.75370	-4	2	2	9	0	1	0	3	5	0	1.25438	-5	16
2	7	0	1	0	2	3	1	3.91087	-4	5	2	9	0	0	1	2	4	2	3.05097	-4	18
2	7	0	0	1	2	3	1	8.80817	-5	7	2	9	0	0	1	3	5	0	6.67532	-5	18
2	7	1	0	0	2	3	1	1.07967	-4	9	2	9	1	0	0	3	5	0	1.30369	-4	20
2	7	0	1	0	2	4	0	6.08791	-6	12	2	9	0	1	0	2	5	1	2.01997	-4	25
2	7	0	0	1	1	3	2	8.80817	-4	14	2	9	0	0	1	2	5	1	1.37294	-4	27
2	7	0	0	1	2	4	0	1.74443	-4	14	2	9	1	0	0	2	5	1	6.22670	-6	29
2	7	1	0	0	2	4	0	3.95377	-4	16	2	9	0	1	0	2	6	0	3.50455	-5	34
2	7	0	1	0	1	4	1	7.08642	-4	19	2	9	0	0	1	1	5	2	2.13568	-4	36
2	7	0	0	1	1	4	1	6.60613	-4	21	2	9	0	0	1	2	6	0	2.92517	-5	36
2	7	1	0	0	1	4	1	8.42618	-7	23	2	9	1	0	0	2	6	0	9.66769	-5	38
2	7	0	1	0	1	5	0	5.06097	-4	26	2	9	0	1	0	1	6	1	2.55324	-4	43
2	7	0	0	1	0	4	2	4.40408	-4	28	2	9	0	0	1	1	6	1	2.96622	-4	45
2	7	0	0	1	1	5	0	2.58052	-5	28	2	9	1	0	0	1	6	1	1.54719	-6	47
2	7	1	0	0	1	5	0	1.52198	-4	30	2	9	0	1	0	1	7	0	3.63434	-4	52
2	7	0	1	0	0	5	1	7.42908	-4	33	2	9	0	0	1	0	6	2	9.49190	-5	54
2	7	0	0	1	0	5	1	1.10102	-3	35	2	9	0	0	1	1	7	0	6.48861	-7	54
2	7	1	0	0	0	5	1	3.51091	-5	37	2	9	1	0	0	1	7	0	2.08356	-5	56
2	7	0	1	0	0	6	0	3.39862	-3	40	2	9	0	1	0	0	7	1	2.15582	-4	61
2	7	0	0	1	0	6	0	7.16810	-5	42	2	9	0	0	1	0	7	1	3.32217	-4	63
2	7	1	0	0	0	6	0	3.65720	-5	44	2	9	1	0	0	0	7	1	1.25607	-5	65

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X	n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X		
2	9	0	1	0	0	8	0	1.28812	- 3	70	2	11	1	0	0	3	7	0	4.98894	- 5	46
2	9	0	0	1	0	8	0	3.17942	- 5	72	2	11	0	1	0	2	7	1	1.01021	- 4	53
2	9	1	0	0	0	8	0	1.92335	- 5	74	2	11	0	0	1	2	7	1	9.48870	- 5	55
											2	11	1	0	0	2	7	1	9.60633	- 8	57
2	10	0	0	1	4	4	1	0.00000		0	2	11	0	1	0	2	8	0	5.60706	- 5	64
2	10	1	0	0	4	4	1	5.03567	- 5	2	2	11	0	0	1	1	7	2	6.83186	- 5	66
2	10	0	1	0	4	5	0	3.22283	- 5	8	2	11	0	0	1	2	8	0	5.45847	- 6	66
2	10	0	0	1	3	4	2	2.09820	- 4	10	2	11	1	0	0	2	8	0	2.70546	- 5	68
2	10	0	0	1	4	5	0	5.03567	- 5	10	2	11	0	1	0	1	8	1	1.07984	- 4	75
2	10	1	0	0	4	5	0	7.25137	- 5	12	2	11	0	0	1	1	8	1	1.39484	- 4	77
2	10	0	1	0	3	5	1	9.70206	- 5	18	2	11	1	0	0	1	8	1	2.01292	- 6	79
2	10	0	0	1	3	5	1	3.35711	- 5	20	2	11	0	1	0	1	9	0	2.30140	- 4	86
2	10	1	0	0	3	5	1	1.64499	- 5	22	2	11	0	0	1	0	8	2	2.84661	- 5	88
2	10	0	1	0	3	6	0	2.23807	- 7	28	2	11	0	0	1	1	9	0	2.00152	- 7	88
2	10	0	0	1	2	5	2	1.76249	- 4	30	2	11	1	0	0	1	9	0	3.05852	- 6	90
2	10	0	0	1	3	6	0	3.49699	- 5	30	2	11	0	1	0	0	9	1	8.10534	- 5	97
2	10	1	0	0	3	6	0	8.07945	- 5	32	2	11	0	0	1	0	9	1	1.28097	- 4	99
2	10	0	1	0	2	6	1	1.42174	- 4	38	2	11	1	0	0	0	9	1	5.35945	- 6	101
2	10	0	0	1	2	6	1	1.17499	- 4	40	2	11	0	1	0	0	10	0	5.97481	- 4	108
2	10	1	0	0	2	6	1	1.17499	- 6	42	2	11	0	0	1	0	10	0	1.62123	- 5	110
2	10	0	1	0	2	7	0	5.03567	- 5	48	2	11	1	0	0	0	10	0	1.08529	- 5	112
2	10	0	0	1	1	6	2	1.17499	- 4	50											
2	10	0	0	1	2	7	0	1.25892	- 5	50	2	12	0	0	1	5	5	1	0.00000		0
2	10	1	0	0	2	7	0	5.03567	- 5	52	2	12	1	0	0	5	5	1	2.35838	- 5	2
2	10	0	1	0	1	7	1	1.63156	- 4	58	2	12	0	1	0	5	6	0	1.63776	- 5	10
2	10	0	0	1	1	7	1	2.01427	- 4	60	2	12	0	0	1	4	5	2	9.70303	- 5	12
2	10	1	0	0	1	7	1	2.01427	- 6	62	2	12	0	0	1	5	6	0	2.35838	- 5	12
2	10	0	1	0	1	8	0	2.90055	- 4	68	2	12	1	0	0	5	6	0	3.21001	- 5	14
2	10	0	0	1	0	7	2	5.03567	- 5	70	2	12	0	1	0	4	6	1	4.13465	- 5	22
2	10	0	0	1	1	8	0	0.00000		70	2	12	0	0	1	4	6	1	1.07811	- 5	24
2	10	1	0	0	1	8	0	8.05707	- 6	72	2	12	1	0	0	4	6	1	9.90144	- 6	26
2	10	0	1	0	0	8	1	1.28913	- 4	78	2	12	0	1	0	4	7	0	1.73750	- 6	34
2	10	0	0	1	0	8	1	2.01427	- 4	80	2	12	0	0	1	3	6	2	8.62492	- 5	36
2	10	1	0	0	0	8	1	8.05707	- 6	82	2	12	0	0	1	4	7	0	1.85012	- 5	36
2	10	0	1	0	0	9	0	8.60316	- 4	88	2	12	1	0	0	4	7	0	3.81239	- 5	38
2	10	0	0	1	0	9	0	2.23808	- 5	90	2	12	0	1	0	3	7	1	5.95701	- 5	46
2	10	1	0	0	0	9	0	1.43237	- 5	92	2	12	0	0	1	3	7	1	3.94282	- 5	48
											2	12	1	0	0	3	7	1	2.07067	- 6	50
2	11	0	0	1	4	4	2	1.42330	- 4	0	2	12	0	1	0	3	8	0	6.35371	- 6	58
2	11	0	0	1	5	5	0	3.49920	- 5	0	2	12	0	0	1	2	7	2	6.65351	- 5	60
2	11	1	0	0	5	5	0	3.61781	- 5	2	2	12	0	0	1	3	8	0	1.01843	- 5	60
2	11	0	1	0	4	5	1	4.73479	- 5	9	2	12	1	0	0	3	8	0	3.10605	- 5	62
2	11	0	0	1	4	5	1	4.74435	- 6	11	2	12	0	1	0	2	8	1	7.27872	- 5	70
2	11	1	0	0	4	5	1	2.21166	- 5	13	2	12	0	0	1	2	8	1	7.48520	- 5	72
2	11	0	1	0	4	6	0	9.63836	- 6	20	2	12	1	0	0	2	8	1	1.44390	- 8	74
2	11	0	0	1	3	5	2	1.32842	- 4	22	2	12	0	1	0	2	9	0	5.57930	- 5	82
2	11	0	0	1	4	6	0	3.04454	- 5	22	2	12	0	0	1	1	8	2	4.15844	- 5	84
2	11	1	0	0	4	6	0	5.37932	- 5	24	2	12	0	0	1	2	9	0	2.32950	- 6	84
2	11	0	1	0	3	6	1	7.65967	- 5	31	2	12	1	0	0	2	9	0	1.49145	- 5	86
2	11	0	0	1	3	6	1	3.98525	- 5	33	2	12	0	1	0	1	9	1	7.36819	- 5	94
2	11	1	0	0	3	6	1	5.94906	- 6	35	2	12	0	0	1	1	9	1	9.85705	- 5	96
2	11	0	1	0	3	7	0	1.94988	- 6	42	2	12	1	0	0	1	9	1	1.80755	- 6	98
2	11	0	0	1	2	6	2	1.06273	- 4	44	2	12	0	1	0	1	10	0	1.83015	- 4	106
2	11	0	0	1	3	7	0	1.87031	- 5	44	2	12	0	0	1	0	9	2	1.69418	- 5	108

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X	n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X		
2	12	0	0	1	1	10	0	4.81301	-7	108	2	14	1	0	0	6	6	1	1.25088	-5	2
2	12	1	0	0	1	10	0	1.08293	-6	110	2	14	0	1	0	6	7	0	9.19015	-6	12
2	12	0	1	0	0	10	1	5.30902	-5	118	2	14	0	0	1	5	6	2	5.10777	-5	14
2	12	0	0	1	0	10	1	8.47090	-5	120	2	14	0	0	1	6	7	0	1.25088	-5	14
2	12	1	0	0	0	10	1	3.67661	-6	122	2	14	1	0	0	6	7	0	1.63380	-5	16
2	12	0	1	0	0	11	0	4.28372	-4	130	2	14	0	1	0	5	7	1	2.04438	-5	26
2	12	0	0	1	0	11	0	1.20325	-5	132	2	14	0	0	1	5	7	1	4.16961	-6	28
2	12	1	0	0	0	11	0	8.35593	-6	134	2	14	1	0	0	5	7	1	6.14804	-6	30
										2	14	0	1	0	5	8	0	2.04935	-6	40	
2	13	0	0	1	5	5	2	7.03116	-5	0	2	14	0	0	1	4	7	2	4.69081	-5	42
2	13	0	0	1	6	6	0	1.73693	-5	0	2	14	0	0	1	5	8	0	1.05109	-5	42
2	13	1	0	0	6	6	0	1.77878	-5	2	2	14	1	0	0	5	8	0	1.99191	-5	44
2	13	0	1	0	5	6	1	2.25859	-5	11	2	14	0	1	0	4	8	1	2.87990	-5	54
2	13	0	0	1	5	6	1	1.67409	-6	13	2	14	0	0	1	4	8	1	1.56360	-5	56
2	13	1	0	0	5	6	1	1.19619	-5	15	2	14	1	0	0	4	8	1	1.99439	-6	58
2	13	0	1	0	5	7	0	6.50896	-6	24	2	14	0	1	0	4	9	0	5.74384	-7	68
2	13	0	0	1	4	6	2	6.69634	-5	26	2	14	0	0	1	3	8	2	3.90900	-5	70
2	13	0	0	1	5	7	0	1.57450	-5	26	2	14	0	0	1	4	9	0	7.03621	-6	70
2	13	1	0	0	5	7	0	2.58598	-5	28	2	14	1	0	0	4	9	0	1.84441	-5	72
2	13	0	1	0	4	7	1	3.48172	-5	37	2	14	0	1	0	3	9	1	3.58990	-5	82
2	13	0	0	1	4	7	1	1.43493	-5	39	2	14	0	0	1	3	9	1	3.12720	-5	84
2	13	1	0	0	4	7	1	4.46293	-6	41	2	14	1	0	0	3	9	1	1.59551	-7	86
2	13	0	1	0	4	8	0	7.46255	-9	50	2	14	0	1	0	3	10	0	1.25088	-5	96
2	13	0	0	1	3	7	2	5.73972	-5	52	2	14	0	0	1	2	9	2	2.86660	-5	98
2	13	0	0	1	4	8	0	1.13505	-5	52	2	14	0	0	1	3	10	0	3.12720	-6	98
2	13	1	0	0	4	8	0	2.65675	-5	54	2	14	1	0	0	3	10	0	1.25088	-5	100
2	13	0	1	0	3	8	1	4.61815	-5	63	2	14	0	1	0	2	10	1	3.95474	-5	110
2	13	0	0	1	3	8	1	3.58733	-5	65	2	14	0	0	1	2	10	1	4.58657	-5	112
2	13	1	0	0	3	8	1	6.50070	-7	67	2	14	1	0	0	2	10	1	2.34008	-7	114
2	13	0	1	0	3	9	0	1.00939	-5	76	2	14	0	1	0	2	11	0	4.76810	-5	124
2	13	0	0	1	2	8	2	4.30479	-5	78	2	14	0	0	1	1	10	2	1.71996	-5	126
2	13	0	0	1	3	9	0	5.62077	-6	78	2	14	0	0	1	2	11	0	3.47467	-7	126
2	13	1	0	0	3	9	0	1.95796	-5	80	2	14	1	0	0	2	11	0	4.79363	-6	128
2	13	0	1	0	2	9	1	5.32478	-5	89	2	14	0	1	0	1	11	1	3.70265	-5	138
2	13	0	0	1	2	9	1	5.85930	-5	91	2	14	0	0	1	1	11	1	5.21201	-5	140
2	13	1	0	0	2	9	1	1.27803	-7	93	2	14	1	0	0	1	11	1	1.28705	-6	142
2	13	0	1	0	2	10	0	5.24052	-5	102	2	14	0	1	0	1	12	0	1.18004	-4	152
2	13	0	0	1	1	9	2	2.63070	-5	104	2	14	0	0	1	0	11	2	6.77561	-6	154
2	13	0	0	1	2	10	0	9.47278	-7	104	2	14	0	0	1	1	12	0	7.81801	-7	154
2	13	1	0	0	2	10	0	8.39151	-6	106	2	14	1	0	0	1	12	0	6.38205	-8	156
2	13	0	1	0	1	10	1	5.16286	-5	115	2	14	0	1	0	0	12	1	2.50974	-5	166
2	13	0	0	1	1	10	1	7.10290	-5	117	2	14	0	0	1	0	12	1	4.06536	-5	168
2	13	1	0	0	1	10	1	1.54398	-6	119	2	14	1	0	0	0	12	1	1.86675	-6	170
2	13	0	1	0	1	11	0	1.46405	-4	128	2	14	0	1	0	0	13	0	2.37476	-4	180
2	13	0	0	1	0	10	2	1.05228	-5	130	2	14	0	0	1	0	13	0	7.03621	-6	182
2	13	0	0	1	1	11	0	6.78229	-7	130	2	14	1	0	0	0	13	0	5.16946	-6	184
2	13	1	0	0	1	11	0	3.25068	-7	132											
2	13	0	1	0	0	11	1	3.59796	-5	141	2	15	0	0	1	6	6	2	3.87641	-5	0
2	13	0	0	1	0	11	1	5.78755	-5	143	2	15	0	0	1	7	7	0	9.60468	-6	0
2	13	1	0	0	0	11	1	2.58984	-6	145	2	15	1	0	0	7	7	0	9.77774	-6	2
2	13	0	1	0	0	12	0	3.15384	-4	154	2	15	0	1	0	6	7	1	1.21140	-5	13
2	13	0	0	1	0	12	0	9.11841	-6	156	2	15	0	0	1	6	7	1	6.92216	-7	15
2	13	1	0	0	0	12	0	6.52857	-6	158	2	15	1	0	0	6	7	1	7.01464	-6	17
2	14	0	0	1	6	6	1	0.00000		0	2	15	0	1	0	6	8	0	4.34953	-6	28

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X	n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X		
2	15	0	0	1	5	7	2	3.73796	-5	30	2	16	0	1	0	6	9	0	1.79812	-6	46
2	15	0	0	1	6	8	0	8.92792	-6	30	2	16	0	0	1	5	8	2	2.76187	-5	48
2	15	1	0	0	6	8	0	1.38652	-5	32	2	16	0	0	1	6	9	0	6.35851	-6	48
2	15	0	1	0	5	8	1	1.79335	-5	43	2	16	1	0	0	6	9	0	1.12921	-5	50
2	15	0	0	1	5	8	1	6.00744	-6	45	2	16	0	1	0	5	9	1	1.54550	-5	62
2	15	1	0	0	5	8	1	3.18191	-6	47	2	16	0	0	1	5	9	1	7.01428	-6	64
2	15	0	1	0	5	9	0	3.59335	-7	58	2	16	1	0	0	5	9	1	1.64568	-6	66
2	15	0	0	1	4	8	2	3.33747	-5	60	2	16	0	1	0	5	10	0	2.56866	-10	78
2	15	0	0	1	5	9	0	7.04596	-6	60	2	16	0	0	1	4	9	2	2.41116	-5	80
2	15	1	0	0	5	9	0	1.50199	-5	62	2	16	0	0	1	5	10	0	4.75108	-6	80
2	15	0	1	0	4	9	1	2.36303	-5	73	2	16	1	0	0	5	10	0	1.12204	-5	82
2	15	0	0	1	4	9	1	1.54512	-5	75	2	16	0	1	0	4	10	1	1.93411	-5	94
2	15	1	0	0	4	9	1	8.65441	-7	77	2	16	0	0	1	4	10	1	1.44669	-5	96
2	15	0	1	0	4	10	0	1.77257	-6	88	2	16	1	0	0	4	10	1	3.53197	-7	98
2	15	0	0	1	3	9	2	2.71942	-5	90	2	16	0	1	0	4	11	0	2.94091	-6	110
2	15	0	0	1	4	10	0	4.40380	-6	90	2	16	0	0	1	3	10	2	1.92893	-5	112
2	15	1	0	0	4	10	0	1.28363	-5	92	2	16	0	0	1	4	11	0	2.77831	-6	112
2	15	0	1	0	3	10	1	2.80645	-5	103	2	16	1	0	0	4	11	0	8.98250	-6	114
2	15	0	0	1	3	10	1	2.66503	-5	105	2	16	0	1	0	3	11	1	2.20963	-5	126
2	15	1	0	0	3	10	1	1.82805	-8	107	2	16	0	0	1	3	11	1	2.24457	-5	128
2	15	0	1	0	3	11	0	1.37413	-5	118	2	16	1	0	0	3	11	1	1.36997	-9	130
2	15	0	0	1	2	10	2	1.95798	-5	120	2	16	0	1	0	3	12	0	1.41053	-5	142
2	15	0	0	1	3	11	0	1.74309	-6	120	2	16	0	0	1	2	11	2	1.36778	-5	144
2	15	1	0	0	3	11	0	8.09563	-6	122	2	16	0	0	1	3	12	0	9.66290	-7	144
2	15	0	1	0	2	11	1	2.98000	-5	133	2	16	1	0	0	3	12	0	5.30184	-6	146
2	15	0	0	1	2	11	1	3.60446	-5	135	2	16	0	1	0	2	12	1	2.27619	-5	158
2	15	1	0	0	2	11	1	2.96788	-7	137	2	16	0	0	1	2	12	1	2.84955	-5	160
2	15	0	1	0	2	12	0	4.26042	-5	148	2	16	1	0	0	2	12	1	3.21688	-7	162
2	15	0	0	1	1	11	2	1.15699	-5	150	2	16	0	1	0	2	13	0	3.76801	-5	174
2	15	0	0	1	2	12	0	1.02171	-7	150	2	16	0	0	1	1	12	2	7.97874	-6	176
2	15	1	0	0	2	12	0	2.76579	-6	152	2	16	0	0	1	2	13	0	1.64397	-8	176
2	15	0	1	0	1	12	1	2.71036	-5	163	2	16	1	0	0	2	13	0	1.60313	-6	178
2	15	0	0	1	1	12	1	3.88877	-5	165	2	16	0	1	0	1	13	1	2.02034	-5	190
2	15	1	0	0	1	12	1	1.06066	-6	167	2	16	0	0	1	1	13	1	2.94600	-5	192
2	15	0	1	0	1	13	0	9.58868	-5	178	2	16	1	0	0	1	13	1	8.70277	-7	194
2	15	0	0	1	0	12	2	4.49940	-6	180	2	16	0	1	0	1	14	0	7.85533	-5	206
2	15	0	0	1	1	13	0	8.16019	-7	180	2	16	0	0	1	0	13	2	3.06875	-6	208
2	15	1	0	0	1	13	0	1.30563	-9	182	2	16	0	0	1	1	14	0	8.05546	-7	208
2	15	0	1	0	0	13	1	1.79457	-5	193	2	16	1	0	0	1	14	0	1.25867	-8	210
2	15	0	0	1	0	13	1	2.92461	-5	195	2	16	0	1	0	0	14	1	1.31111	-5	222
2	15	1	0	0	0	13	1	1.37294	-6	197	2	16	0	0	1	0	14	1	2.14812	-5	224
2	15	0	1	0	0	14	0	1.82301	-4	208	2	16	1	0	0	0	14	1	1.02791	-6	226
2	15	0	0	1	0	14	0	5.51629	-6	210	2	16	0	1	0	0	15	0	1.42315	-4	238
2	15	1	0	0	0	14	0	4.14334	-6	212	2	16	0	0	1	0	15	0	4.38575	-6	240
											2	16	1	0	0	0	15	0	3.35784	-6	242
2	16	0	0	1	7	7	1	0.00000	0		2	17	0	0	1	7	7	2	2.31389	-5	0
2	16	1	0	0	7	7	1	7.24991	-6	2	2	17	0	0	1	8	8	0	5.74463	-6	0
2	16	0	1	0	7	8	0	5.55072	-6	14	2	17	0	0	1	8	8	0	5.82498	-6	2
2	16	0	0	1	6	7	2	2.94600	-5	16	2	17	1	0	0	8	8	0			
2	16	0	0	1	7	8	0	7.24991	-6	16	2	17	0	1	0	7	8	1	7.07253	-6	15
2	16	1	0	0	7	8	0	9.17567	-6	18	2	17	0	0	1	7	8	1	3.21374	-7	17
2	16	0	1	0	6	8	1	1.12219	-5	30	2	17	1	0	0	7	8	1	4.37865	-6	19
2	16	0	0	1	6	8	1	1.84125	-6	32	2	17	0	1	0	7	9	0	2.95791	-6	32
2	16	1	0	0	6	8	1	3.97199	-6	34	2	17	0	0	1	6	8	2	2.24962	-5	34

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X	n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X		
2	17	0	0	1	7	9	0	5.42884	- 6	34	2	18	0	0	1	7	8	2	1.81894	- 5	18
2	17	1	0	0	7	9	0	8.06504	- 6	36	2	18	0	0	1	8	9	0	4.49121	- 6	18
2	17	0	1	0	6	9	1	1.01200	- 5	49	2	18	1	0	0	8	9	0	5.54470	- 6	20
2	17	0	0	1	6	9	1	2.81202	- 6	51	2	18	0	1	0	7	9	1	6.65642	- 6	34
2	17	1	0	0	6	9	1	2.26288	- 6	53	2	18	0	0	1	7	9	1	8.98242	- 7	36
2	17	0	1	0	6	10	0	5.76047	- 7	66	2	18	1	0	0	7	9	1	2.66423	- 6	38
2	17	0	0	1	5	9	2	2.06215	- 5	68	2	18	0	1	0	7	10	0	1.44218	- 6	52
2	17	0	0	1	6	10	0	4.53502	- 6	68	2	18	0	0	1	6	9	2	1.72912	- 5	54
2	17	1	0	0	6	10	0	8.99440	- 6	70	2	18	0	0	1	7	10	0	4.05332	- 6	54
2	17	0	1	0	5	10	1	1.31895	- 5	83	2	18	1	0	0	7	10	0	6.83163	- 6	56
2	17	0	0	1	5	10	1	7.36483	- 6	85	2	18	0	1	0	6	10	1	8.97646	- 6	70
2	17	1	0	0	5	10	1	8.42559	- 7	87	2	18	0	0	1	6	10	1	3.45823	- 6	72
2	17	0	1	0	5	11	0	2.20094	- 7	100	2	18	1	0	0	6	10	1	1.29150	- 6	74
2	17	0	0	1	4	10	2	1.76756	- 5	102	2	18	0	1	0	6	11	0	9.37055	- 8	88
2	17	0	0	1	5	11	0	3.22385	- 6	102	2	18	0	0	1	5	10	2	1.55620	- 5	90
2	17	1	0	0	5	11	0	8.35783	- 6	104	2	18	0	0	1	6	11	0	3.24490	- 6	90
2	17	0	1	0	4	11	1	1.58422	- 5	117	2	18	1	0	0	6	11	0	7.08003	- 6	92
2	17	0	0	1	4	11	1	1.31228	- 5	119	2	18	0	1	0	5	11	1	1.12006	- 5	106
2	17	1	0	0	4	11	1	1.27940	- 7	121	2	18	0	0	1	5	11	1	7.27576	- 6	108
2	17	0	1	0	4	12	0	3.85926	- 6	134	2	18	1	0	0	5	11	1	4.21675	- 7	110
2	17	0	0	1	3	11	2	1.39262	- 5	136	2	18	0	1	0	5	12	0	6.40968	- 7	124
2	17	0	0	1	4	12	0	1.76316	- 6	136	2	18	0	0	1	4	11	2	1.31368	- 5	126
2	17	1	0	0	4	12	0	6.32864	- 6	138	2	18	0	0	1	5	12	0	2.20069	- 6	126
2	17	0	1	0	3	12	1	1.75323	- 5	151	2	18	1	0	0	5	12	0	6.23003	- 6	128
2	17	0	0	1	3	12	1	1.88004	- 5	153	2	18	0	1	0	4	12	1	1.30106	- 5	142
2	17	1	0	0	3	12	1	2.21362	- 8	155	2	18	0	0	1	4	12	1	1.16771	- 5	144
2	17	0	1	0	3	13	0	1.38912	- 5	168	2	18	1	0	0	4	12	1	3.60406	- 8	146
2	17	0	0	1	2	12	2	9.74835	- 6	170	2	18	0	1	0	4	13	0	4.49121	- 6	160
2	17	0	0	1	3	13	0	5.27882	- 7	170	2	18	0	0	1	3	12	2	1.02175	- 5	162
2	17	1	0	0	3	13	0	3.50860	- 6	172	2	18	0	0	1	4	13	0	1.12280	- 6	162
2	17	0	1	0	2	13	1	1.76068	- 5	185	2	18	1	0	0	4	13	0	4.49121	- 6	164
2	17	0	0	1	2	13	1	2.26837	- 5	187	2	18	0	1	0	3	13	1	1.40212	- 5	178
2	17	1	0	0	2	13	1	3.21137	- 7	189	2	18	0	0	1	3	13	1	1.57192	- 5	180
2	17	0	1	0	2	14	0	3.31422	- 5	202	2	18	1	0	0	3	13	1	4.85162	- 8	182
2	17	0	0	1	1	13	2	5.62405	- 6	204	2	18	0	1	0	3	14	0	1.33212	- 5	196
2	17	0	0	1	2	14	0	6.97425	-11	204	2	18	0	0	1	2	13	2	7.07366	- 6	198
2	17	1	0	0	2	14	0	9.28017	- 7	206	2	18	0	0	1	3	14	0	2.80701	- 7	198
2	17	0	1	0	1	14	1	1.53056	- 5	219	2	18	1	0	0	3	14	0	2.34264	- 6	200
2	17	0	0	1	1	14	1	2.26301	- 5	221	2	18	0	1	0	2	14	1	1.37793	- 5	214
2	17	1	0	0	1	14	1	7.13808	- 7	223	2	18	0	0	1	2	14	1	1.81894	- 5	216
2	17	0	1	0	1	15	0	6.48670	- 5	236	2	18	1	0	0	2	14	1	3.05652	- 7	218
2	17	0	0	1	0	14	2	2.14249	- 6	238	2	18	0	1	0	2	15	0	2.90770	- 5	232
2	17	0	0	1	1	15	0	7.68913	- 7	238	2	18	0	0	1	1	14	2	4.04209	- 6	234
2	17	1	0	0	1	15	0	4.56646	- 8	240	2	18	0	0	1	2	15	0	1.12280	- 8	234
2	17	0	1	0	0	15	1	9.76146	- 6	253	2	18	1	0	0	2	15	0	5.32846	- 7	236
2	17	0	0	1	0	15	1	1.60687	- 5	255	2	18	0	1	0	1	15	1	1.17648	- 5	250
2	17	1	0	0	0	15	1	7.81890	- 7	257	2	18	0	0	1	1	15	1	1.76055	- 5	252
2	17	0	1	0	0	16	0	1.12749	- 4	270	2	18	1	0	0	1	15	1	5.86630	- 7	254
2	17	0	0	1	0	16	0	3.53072	- 6	272	2	18	0	1	0	1	16	0	5.39744	- 5	268
2	17	1	0	0	0	16	0	2.74883	- 6	274	2	18	0	0	1	0	15	2	1.52701	- 6	270
											2	18	0	0	1	1	16	0	7.18594	- 7	270
2	18	0	0	1	8	8	1	0.00000		0	2	18	1	0	0	1	16	0	7.98437	- 8	272
2	18	1	0	0	8	8	1	4.49121	- 6	2	2	18	0	1	0	0	16	1	7.38998	- 6	286
2	18	0	1	0	8	9	0	3.54861	- 6	16	2	18	0	0	1	0	16	1	1.22161	- 5	288

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X	n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X
2	18	1	0	0	0	16	1	6.03264 - 7	290	3	5	2	0	0	1	3	0	6.28643 - 5	16
2	18	0	1	0	0	17	0	9.04984 - 5	304	3	5	0	1	1	0	4	0	6.45372 - 4	17
2	18	0	0	1	0	17	0	2.87437 - 6	306	3	5	1	0	1	0	3	1	1.10504 - 4	18
2	18	1	0	0	0	17	0	2.27111 - 6	308	3	5	1	1	0	0	4	0	1.79016 - 4	20
										3	5	2	0	0	0	3	1	5.52518 - 7	21
3	4	0	0	2	0	0	3	3.63400 - 1	0	3	5	1	0	1	0	4	0	7.67386 - 7	23
3	4	0	0	2	1	1	1	2.80401 - 2	0	3	5	2	0	0	0	4	0	6.13909 - 8	26
3	4	1	1	0	1	1	1	1.29992 - 1	0										
3	4	0	1	1	0	1	2	2.12929 - 1	1	3	6	0	0	2	1	1	3	8.55406 - 3	0
3	4	0	1	1	1	2	0	5.91590 - 2	1	3	6	0	0	2	2	2	1	8.35357 - 4	0
3	4	0	2	0	0	2	1	9.30188 - 2	2	3	6	0	2	0	2	3	0	1.49438 - 3	0
3	4	2	0	0	2	1	0	5.45097 - 2	2	3	6	1	1	0	2	2	1	4.56431 - 3	0
3	4	1	0	1	1	1	1	9.47755 - 2	3	3	6	2	0	0	3	2	0	1.49438 - 3	0
3	4	0	0	2	0	1	2	1.21133 - 1	4	3	6	0	1	1	1	2	2	5.64702 - 3	3
3	4	1	1	0	1	2	0	1.58372 - 1	4	3	6	0	1	1	2	3	0	1.75529 - 3	3
3	4	0	1	1	0	2	1	1.94423 - 1	5	3	6	1	0	1	2	2	1	2.02156 - 3	3
3	4	0	2	0	0	3	0	2.29173 - 1	6	3	6	0	0	2	1	2	2	1.06926 - 3	6
3	4	2	0	0	1	1	1	6.04888 - 4	6	3	6	0	2	0	1	3	1	1.75529 - 3	6
3	4	1	0	1	0	1	2	9.46353 - 4	7	3	6	1	1	0	2	3	0	1.91101 - 3	6
3	4	1	0	1	1	2	0	8.47288 - 4	7	3	6	2	0	0	2	2	1	4.71194 - 5	6
3	4	0	0	2	0	2	1	8.41203 - 4	8	3	6	0	1	1	1	3	1	5.34629 - 4	9
3	4	1	1	0	0	2	1	1.28173 - 3	8	3	6	1	0	1	1	2	2	8.35357 - 4	9
3	4	0	1	1	0	3	0	1.22700 - 3	9	3	6	1	0	1	2	3	0	1.76469 - 4	9
3	4	2	0	0	1	2	0	7.75925 - 5	10	3	6	0	0	2	0	2	3	5.34629 - 3	12
3	4	1	0	1	0	2	1	1.05150 - 4	11	3	6	0	0	2	1	3	1	2.67314 - 4	12
3	4	1	1	0	0	3	0	1.38626 - 4	12	3	6	0	2	0	1	4	0	6.39569 - 6	12
3	4	2	0	0	0	2	1	2.05372 - 7	14	3	6	1	1	0	1	3	1	1.75529 - 3	12
3	4	1	0	1	0	3	0	2.43404 - 7	15	3	6	2	0	0	2	3	0	4.85682 - 4	12
3	4	2	0	0	0	3	0	7.60636 - 9	18	3	6	0	1	1	0	3	2	8.18650 - 3	15
										3	6	0	1	1	1	4	0	1.75529 - 3	15
3	5	0	0	2	1	1	2	0.00000	0	3	6	1	0	1	1	3	1	2.13851 - 3	15
3	5	1	1	0	2	2	0	0.00000	0	3	6	0	0	2	0	3	2	5.34629 - 3	18
3	5	2	0	0	2	1	1	1.75369 - 3	1	3	6	0	2	0	0	4	1	6.14053 - 3	18
3	5	0	1	1	1	2	1	6.63022 - 4	2	3	6	1	1	0	1	4	0	7.20822 - 3	18
3	5	1	0	1	1	1	2	8.95079 - 3	3	3	6	2	0	0	1	3	1	5.11656 - 5	18
3	5	1	0	1	2	2	0	2.58149 - 3	3	3	6	0	1	1	0	4	1	1.41175 - 2	21
3	5	0	2	0	1	3	0	1.81619 - 3	4	3	6	1	0	1	0	3	2	1.67071 - 4	21
3	5	0	0	2	0	1	3	2.79712 - 2	5	3	6	1	0	1	1	4	0	1.26348 - 4	21
3	5	0	0	2	1	2	1	2.07194 - 3	5	3	6	0	0	2	0	4	1	1.67071 - 4	24
3	5	1	1	0	1	2	1	1.11520 - 2	5	3	6	0	2	0	0	5	0	2.18343 - 2	24
3	5	2	0	0	2	2	0	3.83693 - 3	6	3	6	1	1	0	0	4	1	3.45238 - 4	24
3	5	0	1	1	0	2	2	3.02089 - 2	7	3	6	2	0	0	1	4	0	3.77216 - 5	24
3	5	0	1	1	1	3	0	7.67386 - 3	7	3	6	0	1	1	0	5	0	3.76955 - 4	27
3	5	1	0	1	1	2	1	1.06083 - 2	8	3	6	1	0	1	0	4	1	8.35357 - 5	27
3	5	0	2	0	0	3	1	1.81010 - 2	9	3	6	1	1	0	0	5	0	1.59893 - 4	30
3	5	0	0	2	0	2	2	1.86475 - 2	10	3	6	2	0	0	0	4	1	6.52623 - 7	30
3	5	1	1	0	1	3	0	2.57783 - 2	10	3	6	1	0	1	0	5	0	1.04420 - 6	33
3	5	2	0	0	1	2	1	1.62440 - 4	11	3	6	2	0	0	0	5	0	1.30525 - 7	36
3	5	0	1	1	0	3	1	3.98918 - 2	12										
3	5	1	0	1	0	2	2	3.72950 - 4	13	3	7	0	0	2	2	2	2	0.00000	0
3	5	1	0	1	1	3	0	3.06954 - 4	13	3	7	1	1	0	3	3	0	0.00000	0
3	5	0	2	0	0	4	0	5.43605 - 2	14	3	7	0	2	0	2	3	1	1.97455 - 4	1
3	5	0	0	2	0	3	1	3.45324 - 4	15	3	7	1	0	1	2	2	2	1.24322 - 3	3
3	5	1	1	0	0	3	1	6.38711 - 4	15	3	7	1	0	1	3	3	0	3.71027 - 4	3

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X	n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X		
3	7	0	1	1	2	3	1	1.84181	-4	4	3	8	1	0	1	3	4	0	7.75854	-5	11
3	7	2	0	0	3	3	0	5.11828	-4	6	3	8	0	1	1	2	4	1	1.63117	-6	13
3	7	0	0	2	1	2	3	3.04590	-3	7	3	8	2	0	0	3	4	0	1.62499	-4	14
3	7	0	0	2	2	3	1	2.82028	-4	7	3	8	0	0	2	2	4	1	9.55446	-5	16
3	7	1	1	0	2	3	1	1.63555	-3	7	3	8	0	0	2	1	3	3	1.24840	-3	16
3	7	0	2	0	2	4	0	4.02053	-4	8	3	8	1	1	0	2	4	1	6.03744	-4	16
3	7	1	0	1	2	3	1	1.15113	-3	10	3	8	0	2	0	2	5	0	7.40195	-5	18
3	7	0	1	1	1	3	2	2.99410	-3	11	3	8	1	0	1	2	4	1	5.52954	-4	19
3	7	0	1	1	2	4	0	9.02148	-4	11	3	8	0	1	1	1	4	2	1.61673	-3	21
3	7	2	0	0	2	3	1	1.17463	-7	13	3	8	0	1	1	2	5	0	4.52885	-4	21
3	7	0	0	2	1	3	2	1.01530	-3	14	3	8	2	0	0	2	4	1	3.35291	-6	22
3	7	1	1	0	2	4	0	1.82678	-3	14	3	8	0	0	2	1	4	2	7.02225	-4	24
3	7	0	2	0	1	4	1	1.23666	-3	15	3	8	1	1	0	2	5	0	1.23645	-3	24
3	7	1	0	1	1	3	2	9.32418	-5	17	3	8	0	2	0	1	5	1	8.25083	-4	26
3	7	1	0	1	2	4	0	6.82153	-6	17	3	8	1	0	1	1	4	2	7.46724	-6	27
3	7	0	1	1	1	4	1	1.03755	-3	18	3	8	1	0	1	2	5	0	6.93044	-7	27
3	7	2	0	0	2	4	0	7.35229	-5	20	3	8	0	1	1	1	5	1	9.97438	-4	29
3	7	0	0	2	0	3	3	1.52295	-3	21	3	8	2	0	0	2	5	0	1.03394	-5	30
3	7	0	0	2	1	4	1	3.76037	-5	21	3	8	0	0	2	0	4	3	5.46175	-4	32
3	7	1	1	0	1	4	1	3.43053	-4	21	3	8	0	0	2	1	5	1	3.61227	-6	32
3	7	0	2	0	1	5	0	2.75396	-4	22	3	8	1	1	0	1	5	1	6.87712	-5	32
3	7	1	0	1	1	4	1	5.54079	-4	24	3	8	0	2	0	1	6	0	4.35720	-4	34
3	7	0	1	1	0	4	2	2.98374	-3	25	3	8	1	0	1	1	5	1	1.63004	-4	35
3	7	0	1	1	1	5	0	5.10404	-4	25	3	8	0	1	1	0	5	2	1.29610	-3	37
3	7	2	0	0	1	4	1	1.81049	-5	27	3	8	0	1	1	1	6	0	1.67444	-4	37
3	7	0	0	2	0	4	2	2.03060	-3	28	3	8	2	0	0	1	5	1	6.94636	-6	38
3	7	1	1	0	1	5	0	2.55800	-3	28	3	8	1	1	0	1	6	0	1.04135	-3	40
3	7	0	2	0	0	5	1	2.66959	-3	29	3	8	0	0	2	0	5	2	9.10292	-4	40
3	7	1	0	1	0	4	2	8.28816	-5	31	3	8	0	2	0	0	6	1	1.34220	-3	42
3	7	1	0	1	1	5	0	5.73691	-5	31	3	8	1	0	1	1	6	0	2.80265	-5	43
3	7	0	1	1	0	5	1	6.34413	-3	32	3	8	1	0	1	0	5	2	4.44479	-5	43
3	7	2	0	0	1	5	0	2.15616	-5	34	3	8	0	1	1	0	6	1	3.27459	-3	45
3	7	0	0	2	0	5	1	9.02489	-5	35	3	8	2	0	0	1	6	0	1.23791	-5	46
3	7	1	1	0	0	5	1	2.00307	-4	35	3	8	0	0	2	0	6	1	5.26789	-5	48
3	7	0	2	0	0	6	0	1.09763	-2	36	3	8	1	1	0	0	6	1	1.22888	-4	48
3	7	1	0	1	0	5	1	5.89380	-5	38	3	8	0	2	0	0	7	0	6.26562	-3	50
3	7	0	1	1	0	6	0	2.37458	-4	39	3	8	1	0	1	0	6	1	4.11554	-5	51
3	7	2	0	0	0	5	1	6.01408	-7	41	3	8	0	1	1	0	7	0	1.57960	-4	53
3	7	1	1	0	0	6	0	1.29904	-4	42	3	8	2	0	0	0	6	1	5.02386	-7	54
3	7	1	0	1	0	6	0	1.09145	-6	45	3	8	1	1	0	0	7	0	1.02547	-4	56
3	7	2	0	0	0	6	0	1.78195	-7	48	3	8	1	0	1	0	7	0	1.02072	-6	59
											3	8	2	0	0	0	7	0	1.99359	-7	62
3	8	0	0	2	2	2	3	1.56050	-3	0											
3	8	0	0	2	3	3	1	1.62022	-4	0	3	9	0	0	2	3	3	2	0.00000		0
3	8	1	1	0	3	3	1	9.39061	-4	0	3	9	1	1	0	4	4	0	0.00000		0
3	8	0	2	0	3	4	0	2.95051	-4	2	3	9	1	0	1	3	3	2	3.62098	-4	3
3	8	1	0	1	3	3	1	3.58434	-4	3	3	9	1	0	1	4	4	0	1.09535	-4	3
3	8	0	1	1	2	3	2	1.02428	-3	5	3	9	0	2	0	3	4	1	4.92856	-5	3
3	8	0	1	1	3	4	0	3.25501	-4	5	3	9	0	1	1	3	4	1	7.24197	-5	6
3	8	2	0	0	3	3	1	2.05039	-5	6	3	9	2	0	0	4	4	0	1.46650	-4	6
3	8	0	0	2	2	3	2	1.04033	-4	8	3	9	0	0	2	2	3	3	8.14721	-4	9
3	8	1	1	0	3	4	0	2.06055	-4	8	3	9	0	0	2	3	4	1	8.14721	-5	9
3	8	0	2	0	2	4	1	2.46477	-4	10	3	9	1	1	0	3	4	1	4.86821	-4	9
3	8	1	0	1	2	3	2	3.09052	-4	11	3	9	1	0	1	3	4	1	2.89679	-4	12

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X	n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X		
3	9	0	2	0	3	5	0	1.35988	- 4	12	3	10	1	0	1	4	4	1	1.14853	- 4	3
3	9	0	1	1	3	5	0	2.31743	- 4	15	3	10	0	2	0	4	5	0	9.93612	- 5	4
3	9	0	1	1	2	4	2	7.33249	- 4	15	3	10	2	0	0	4	4	1	9.00208	- 6	6
3	9	2	0	0	3	4	1	1.00583	- 6	15	3	10	0	1	1	3	4	2	3.24861	- 4	7
3	9	0	0	2	2	4	2	1.62944	- 4	18	3	10	0	1	1	4	5	0	1.03775	- 4	7
3	9	1	1	0	3	5	0	3.21865	- 4	18	3	10	0	0	2	3	4	2	2.10931	- 5	10
3	9	1	0	1	2	4	2	8.14721	- 5	21	3	10	1	1	0	4	5	0	4.37663	- 5	10
3	9	1	0	1	3	5	0	1.44839	- 5	21	3	10	1	0	1	4	5	0	3.55991	- 5	13
3	9	0	2	0	2	5	1	2.31743	- 4	21	3	10	1	0	1	3	4	2	1.32913	- 4	13
3	9	0	1	1	2	5	1	6.51777	- 5	24	3	10	0	2	0	3	5	1	6.46039	- 5	14
3	9	2	0	0	3	5	0	5.14984	- 5	24	3	10	2	0	0	4	5	0	6.62098	- 5	16
3	9	0	0	2	1	4	3	5.70305	- 4	27	3	10	0	1	1	3	5	1	3.96738	- 6	17
3	9	0	0	2	2	5	1	3.25888	- 5	27	3	10	0	0	2	2	4	3	4.42956	- 4	20
3	9	1	1	0	2	5	1	2.31743	- 4	27	3	10	0	0	2	3	5	1	3.93973	- 5	20
3	9	1	0	1	2	5	1	2.60711	- 4	30	3	10	1	1	0	3	5	1	2.47207	- 4	20
3	9	0	2	0	2	6	0	3.21865	- 6	30	3	10	1	0	1	3	5	1	1.90796	- 4	23
3	9	0	1	1	1	5	2	9.12488	- 4	33	3	10	0	2	0	3	6	0	5.27314	- 5	24
3	9	0	1	1	2	6	0	2.31743	- 4	33	3	10	2	0	0	3	5	1	1.03110	- 7	26
3	9	2	0	0	2	5	1	3.62098	- 6	33	3	10	0	1	1	2	5	2	5.04992	- 4	27
3	9	1	1	0	2	6	0	7.73281	- 4	36	3	10	0	1	1	3	6	0	1.53896	- 4	27
3	9	0	0	2	1	5	2	4.56244	- 4	36	3	10	0	0	2	2	5	2	1.59464	- 4	30
3	9	1	0	1	1	5	2	0.00000		39	3	10	1	1	0	3	6	0	3.09649	- 4	30
3	9	1	0	1	2	6	0	3.62098	- 6	39	3	10	1	0	1	2	5	2	2.12840	- 5	33
3	9	0	2	0	1	6	1	5.51999	- 4	39	3	10	1	0	1	3	6	0	1.78226	- 6	33
3	9	0	1	1	1	6	1	8.11100	- 4	42	3	10	0	2	0	2	6	1	1.96158	- 4	34
3	9	2	0	0	2	6	0	8.04663	- 7	42	3	10	2	0	0	3	6	0	1.61476	- 5	36
3	9	1	1	0	1	6	1	1.12653	- 5	45	3	10	0	1	1	2	6	1	1.20041	- 4	37
3	9	0	0	2	0	5	3	2.28122	- 4	45	3	10	0	0	2	1	5	3	2.83492	- 4	40
3	9	0	0	2	1	6	1	0.00000		45	3	10	0	0	2	2	6	1	1.08483	- 5	40
3	9	1	0	1	1	6	1	5.06938	- 5	48	3	10	1	1	0	2	6	1	9.12412	- 5	40
3	9	0	2	0	1	7	0	4.63486	- 4	48	3	10	1	0	1	2	6	1	1.24520	- 4	43
3	9	0	1	1	0	6	2	6.33672	- 4	51	3	10	0	2	0	2	7	0	4.98241	- 6	44
3	9	0	1	1	1	7	0	5.79357	- 5	51	3	10	2	0	0	2	6	1	2.66395	- 6	46
3	9	2	0	0	1	6	1	2.81632	- 6	51	3	10	0	1	1	1	6	2	5.38649	- 4	47
3	9	0	0	2	0	6	2	4.56244	- 4	54	3	10	0	1	1	2	7	0	1.21685	- 4	47
3	9	1	1	0	1	7	0	4.63486	- 4	54	3	10	0	0	2	1	6	2	2.95304	- 4	50
3	9	1	0	1	0	6	2	2.53469	- 5	57	3	10	1	1	0	2	7	0	4.76470	- 4	50
3	9	1	0	1	1	7	0	1.44839	- 5	57	3	10	1	0	1	1	6	2	1.19598	- 6	53
3	9	0	2	0	0	7	1	7.43911	- 4	57	3	10	1	0	1	2	7	0	4.47958	- 6	53
3	9	0	1	1	0	7	1	1.85394	- 3	60	3	10	0	2	0	1	7	1	3.75876	- 4	54
3	9	2	0	0	1	7	0	7.24196	- 6	60	3	10	2	0	0	2	7	0	1.89415	- 8	56
3	9	0	0	2	0	7	1	3.25888	- 5	63	3	10	0	1	1	1	7	1	6.24793	- 4	57
3	9	1	1	0	0	7	1	7.88570	- 5	63	3	10	0	0	2	0	6	3	1.06309	- 4	60
3	9	1	0	1	0	7	1	2.89679	- 5	66	3	10	0	0	2	1	7	1	7.65603	- 7	60
3	9	0	2	0	0	8	0	3.88672	- 3	66	3	10	1	1	0	1	7	1	7.01909	- 7	60
3	9	0	1	1	0	8	0	1.09535	- 4	69	3	10	1	0	1	1	7	1	1.56795	- 5	63
3	9	2	0	0	0	7	1	4.02331	- 7	69	3	10	0	2	0	1	8	0	4.31113	- 4	64
3	9	1	1	0	0	8	0	8.04663	- 5	72	3	10	2	0	0	1	7	1	1.18194	- 6	66
3	9	1	0	1	0	8	0	9.05246	- 7	75	3	10	0	1	1	0	7	2	3.37665	- 4	67
3	9	2	0	0	0	8	0	2.01166	- 7	78	3	10	0	1	1	1	8	0	2.00055	- 5	67
											3	10	0	0	2	0	7	2	2.48055	- 4	70
3	10	0	0	2	3	3	3	5.06235	- 4	0	3	10	1	1	0	1	8	0	2.19327	- 4	70
3	10	0	0	2	4	4	1	5.39291	- 5	0	3	10	1	0	1	0	7	2	1.51934	- 5	73
3	10	1	1	0	4	4	1	3.21198	- 4	0	3	10	1	0	1	1	8	0	7.82367	- 6	73

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X	n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X		
3	10	0	2	0	0	8	1	4.42574	- 4	74	3	11	0	2	0	2	8	0	2.10616	- 5	60
3	10	2	0	0	1	8	0	4.33137	- 6	76	3	11	2	0	0	2	7	1	1.73393	- 6	61
3	10	0	1	1	0	8	1	1.12246	- 3	77	3	11	0	1	1	1	7	2	3.31130	- 4	63
3	10	0	0	2	0	8	1	2.11019	- 5	80	3	11	0	1	1	2	8	0	6.54228	- 5	63
3	10	1	1	0	0	8	1	5.25123	- 5	80	3	11	0	0	2	1	7	2	1.93819	- 4	66
3	10	1	0	1	0	8	1	2.06799	- 5	83	3	11	1	1	0	2	8	0	2.95247	- 4	66
3	10	0	2	0	0	9	0	2.55851	- 3	84	3	11	1	0	1	1	7	2	2.22474	- 6	69
3	10	2	0	0	0	8	1	3.16661	- 7	86	3	11	1	0	1	2	8	0	4.06317	- 6	69
3	10	0	1	1	0	9	0	7.85073	- 5	87	3	11	0	2	0	1	8	1	2.61429	- 4	71
3	10	1	1	0	0	9	0	6.33386	- 5	90	3	11	2	0	0	2	8	0	3.46724	- 7	72
3	10	1	0	1	0	9	0	7.81879	- 7	93	3	11	0	1	1	1	8	1	4.73451	- 4	74
3	10	2	0	0	0	9	0	1.91560	- 7	96	3	11	0	0	2	0	7	3	5.38387	- 5	77
											3	11	0	0	2	1	8	1	1.59522	- 6	77
3	11	0	0	2	4	4	2	0.00000		0	3	11	1	1	0	1	8	1	2.30550	- 7	77
3	11	1	1	0	5	5	0	0.00000		0	3	11	1	0	1	1	8	1	4.45607	- 6	80
3	11	1	0	1	4	4	2	1.45350	- 4	3	3	11	0	2	0	1	9	0	3.78859	- 4	82
3	11	1	0	1	5	5	0	4.42649	- 5	3	3	11	2	0	0	1	8	1	5.03811	- 7	83
3	11	0	2	0	4	5	1	1.76204	- 5	5	3	11	0	1	1	0	8	2	1.92218	- 4	85
3	11	2	0	0	5	5	0	5.83831	- 5	6	3	11	0	1	1	1	9	0	6.44550	- 6	85
3	11	0	1	1	4	5	1	3.44533	- 5	8	3	11	0	0	2	0	8	2	1.43570	- 4	88
3	11	0	0	2	3	4	3	3.14059	- 4	11	3	11	1	1	0	1	9	0	1.08307	- 4	88
3	11	0	0	2	4	5	1	3.25691	- 5	11	3	11	1	0	1	0	8	2	9.49222	- 6	91
3	11	1	1	0	4	5	1	1.97546	- 4	11	3	11	1	0	1	1	9	0	4.37762	- 6	91
3	11	1	0	1	4	5	1	1.05513	- 4	14	3	11	0	2	0	0	9	1	2.77985	- 4	93
3	11	0	2	0	4	6	0	5.81202	- 5	16	3	11	2	0	0	1	9	0	2.64739	- 6	94
3	11	2	0	0	4	5	1	1.17677	- 6	17	3	11	0	1	1	0	9	1	7.15447	- 4	96
3	11	0	1	1	3	5	2	2.63187	- 4	19	3	11	0	0	2	0	9	1	1.41797	- 5	99
3	11	0	1	1	4	6	0	8.46099	- 5	19	3	11	1	1	0	0	9	1	3.60755	- 5	99
3	11	0	0	2	3	5	2	4.18746	- 5	22	3	11	1	0	1	0	9	1	1.50001	- 5	102
3	11	1	1	0	4	6	0	8.64891	- 5	22	3	11	0	2	0	0	10	0	1.76158	- 3	104
3	11	1	0	1	3	5	2	5.00072	- 5	25	3	11	2	0	0	0	9	1	2.47935	- 7	105
3	11	1	0	1	4	6	0	1.09182	- 5	25	3	11	0	1	1	0	10	0	5.78153	- 5	107
3	11	0	2	0	3	6	1	6.79651	- 5	27	3	11	1	1	0	0	10	0	5.02068	- 5	110
3	11	2	0	0	4	6	0	2.89959	- 5	28	3	11	1	0	1	0	10	0	6.66669	- 7	113
3	11	0	1	1	3	6	1	3.70167	- 6	30	3	11	2	0	0	0	10	0	1.76309	- 7	116
3	11	0	0	2	2	5	3	2.51247	- 4	33											
3	11	0	0	2	3	6	1	1.87660	- 5	33	3	12	0	0	2	4	4	3	2.16164	- 4	0
3	11	1	1	0	3	6	1	1.25790	- 4	33	3	12	0	0	2	5	5	1	2.33369	- 5	0
3	11	1	0	1	3	6	1	1.17397	- 4	36	3	12	1	1	0	5	5	1	1.41060	- 4	0
3	11	0	2	0	3	7	0	1.59479	- 5	38	3	12	1	0	1	5	5	1	4.87251	- 5	3
3	11	2	0	0	3	6	1	6.05078	- 7	39	3	12	0	2	0	5	6	0	4.32321	- 5	6
3	11	0	1	1	2	6	2	3.46071	- 4	41	3	12	2	0	0	5	5	1	4.45297	- 6	6
3	11	0	1	1	3	7	0	9.98507	- 5	41	3	12	0	1	1	4	5	2	1.35537	- 4	9
3	11	0	0	2	2	6	2	1.33999	- 4	44	3	12	0	1	1	5	6	0	4.33122	- 5	9
3	11	1	1	0	3	7	0	2.53466	- 4	44	3	12	0	0	2	4	5	2	6.17612	- 6	12
3	11	1	0	1	2	6	2	4.98342	- 6	47	3	12	1	1	0	5	6	0	1.31389	- 5	12
3	11	1	0	1	3	7	0	9.77586	- 9	47	3	12	1	0	1	4	5	2	6.60555	- 5	15
3	11	0	2	0	2	7	1	1.58871	- 4	49	3	12	1	0	1	5	6	0	1.83113	- 5	15
3	11	2	0	0	3	7	0	4.81803	- 6	50	3	12	2	0	0	5	6	0	3.17333	- 5	18
3	11	0	1	1	2	7	1	1.41759	- 4	52	3	12	0	2	0	4	6	1	2.32781	- 5	18
3	11	1	1	0	2	7	1	3.61010	- 5	55	3	12	0	1	1	4	6	1	5.83836	- 6	21
3	11	0	0	2	1	6	3	1.50748	- 4	55	3	12	0	0	2	3	5	3	1.97636	- 4	24
3	11	0	0	2	2	7	1	3.32338	- 6	55	3	12	0	0	2	4	6	1	1.89144	- 5	24
3	11	1	0	1	2	7	1	6.05481	- 5	58	3	12	1	1	0	4	6	1	1.18426	- 4	24

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X	n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X		
3	12	1	0	1	4	6	1	8.11098	- 5	27	3	12	0	2	0	10	1	1.82311	- 4	114	
3	12	0	2	0	4	7	0	3.04886	- 5	30	3	12	2	0	0	1	10	0	1.65079	- 6	114
3	12	2	0	0	4	6	1	2.72355	- 8	30	3	12	0	1	1	0	10	1	4.75091	- 4	117
3	12	0	1	1	3	6	2	2.04198	- 4	33	3	12	0	0	2	0	10	1	9.82664	- 6	120
3	12	0	1	1	4	7	0	6.44688	- 5	33	3	12	1	1	0	0	10	1	2.54519	- 5	120
3	12	0	0	2	3	6	2	4.94089	- 5	36	3	12	1	0	1	0	10	1	1.10550	- 5	123
3	12	1	1	0	4	7	0	1.00684	- 4	36	3	12	0	2	0	0	11	0	1.25660	- 3	126
3	12	1	0	1	3	6	2	1.89144	- 5	39	3	12	2	0	0	0	10	1	1.94326	- 7	126
3	12	1	0	1	4	7	0	2.94891	- 6	39	3	12	0	1	1	0	11	0	4.35569	- 5	129
3	12	0	2	0	3	7	1	6.44688	- 5	42	3	12	1	1	0	0	11	0	4.01391	- 5	132
3	12	2	0	0	4	7	0	1.25044	- 5	42	3	12	1	0	1	0	11	0	5.65311	- 7	135
3	12	0	1	1	3	7	1	1.76460	- 5	45	3	12	2	0	0	0	11	0	1.58994	- 7	138
3	12	0	0	2	2	6	3	1.48227	- 4	48											
3	12	0	0	2	3	7	1	8.82302	- 6	48	3	13	0	0	2	5	5	2	0.00000		0
3	12	1	1	0	3	7	1	6.44688	- 5	48	3	13	1	1	0	6	6	0	0.00000		0
3	12	1	0	1	3	7	1	7.05842	- 5	51	3	13	1	0	1	5	5	2	7.00451	- 5	3
3	12	0	2	0	3	8	0	2.66571	- 6	54	3	13	1	0	1	6	6	0	2.14135	- 5	3
3	12	2	0	0	3	7	1	7.77615	- 7	54	3	13	2	0	0	6	6	0	2.80026	- 5	6
3	12	0	1	1	2	7	2	2.39049	- 4	57	3	13	0	2	0	5	6	1	7.76361	- 6	7
3	12	0	1	1	3	8	0	6.44688	- 5	57	3	13	0	1	1	5	6	1	1.85305	- 5	10
3	12	0	0	2	2	7	2	1.05876	- 4	60	3	13	0	0	2	4	5	3	1.47970	- 4	13
3	12	1	1	0	3	8	0	1.93852	- 4	60	3	13	0	0	2	5	6	1	1.56582	- 5	13
3	12	1	0	1	2	7	2	8.27159	- 7	63	3	13	1	1	0	5	6	1	9.57904	- 5	13
3	12	1	0	1	3	8	0	2.60641	- 7	63	3	13	1	0	1	5	6	1	4.74380	- 5	16
3	12	0	2	0	2	8	1	1.26352	- 4	66	3	13	2	0	0	5	6	1	9.21589	- 7	19
3	12	2	0	0	3	8	0	1.26342	- 6	66	3	13	0	2	0	5	7	0	2.88501	- 5	20
3	12	0	1	1	2	8	1	1.41547	- 4	69	3	13	0	1	1	4	6	2	1.17117	- 4	23
3	12	0	0	2	2	8	1	8.27159	- 7	72	3	13	0	1	1	5	7	0	3.78865	- 5	23
3	12	0	0	2	1	7	3	8.47010	- 5	72	3	13	0	0	2	4	6	2	1.40924	- 5	26
3	12	1	1	0	2	8	1	1.39682	- 5	72	3	13	1	1	0	5	7	0	2.98417	- 5	26
3	12	1	0	1	2	8	1	2.98811	- 5	75	3	13	1	0	1	5	7	0	7.29649	- 6	29
3	12	0	2	0	2	9	0	3.51872	- 5	78	3	13	1	0	1	4	6	2	3.03946	- 5	29
3	12	2	0	0	2	8	1	1.07615	- 6	78	3	13	2	0	0	5	7	0	1.66874	- 5	32
3	12	0	1	1	1	8	2	2.10946	- 4	81	3	13	0	2	0	4	7	1	2.58140	- 5	33
3	12	0	1	1	2	9	0	3.58457	- 5	81	3	13	0	1	1	4	7	1	1.76481	- 9	36
3	12	0	0	2	1	8	2	1.29698	- 4	84	3	13	0	0	2	3	6	3	1.26832	- 4	39
3	12	1	1	0	2	9	0	1.85268	- 4	84	3	13	0	0	2	4	7	1	1.07744	- 5	39
3	12	1	0	1	1	8	2	2.50215	- 6	87	3	13	1	1	0	4	7	1	7.04404	- 5	39
3	12	1	0	1	2	9	0	3.27632	- 6	87	3	13	1	0	1	4	7	1	5.78168	- 5	42
3	12	0	2	0	1	9	1	1.85704	- 4	90	3	13	2	0	0	4	7	1	7.08650	- 8	45
3	12	2	0	0	2	9	0	5.82202	- 7	90	3	13	0	2	0	4	8	0	1.42427	- 5	46
3	12	0	1	1	1	9	1	3.58325	- 4	93	3	13	0	1	1	3	7	2	1.55672	- 4	49
3	12	0	0	2	0	8	3	2.91160	- 5	96	3	13	0	1	1	4	8	0	4.75523	- 5	49
3	12	0	0	2	1	9	1	1.98518	- 6	96	3	13	0	0	2	3	7	2	4.83169	- 5	52
3	12	1	1	0	1	9	1	1.36142	- 6	96	3	13	1	1	0	4	8	0	9.65593	- 5	52
3	12	1	0	1	1	9	1	9.92590	- 7	99	3	13	1	0	1	3	7	2	7.00451	- 6	55
3	12	0	2	0	1	10	0	3.24440	- 4	102	3	13	1	0	1	4	8	0	5.85181	- 7	55
3	12	2	0	0	1	9	1	2.13736	- 7	102	3	13	2	0	0	4	8	0	5.29274	- 6	58
3	12	0	1	1	1	10	0	1.71299	- 6	105	3	13	0	2	0	3	8	1	5.79109	- 5	59
3	12	0	1	1	0	9	2	1.15327	- 4	105	3	13	0	1	1	3	8	1	2.98113	- 5	62
3	12	0	0	2	0	9	2	8.73479	- 5	108	3	13	0	0	2	2	7	3	9.05941	- 5	65
3	12	1	1	0	1	10	0	5.50347	- 5	108	3	13	0	0	2	3	8	1	4.05996	- 6	65
3	12	1	0	1	0	9	2	6.14165	- 6	111	3	13	1	1	0	3	8	1	3.32246	- 5	65
3	12	1	0	1	1	10	0	2.51947	- 6	111	3	13	1	0	1	3	8	1	4.22002	- 5	68

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	χ	n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	χ		
3	13	2	0	0	3	8	1	7.12915	-7	71	3	14	1	0	1	6	6	1	2.43850	-5	3
3	13	0	2	0	3	9	0	2.46191	-9	72	3	14	2	0	0	6	6	1	2.43254	-6	6
3	13	0	1	1	2	8	2	1.67277	-4	75	3	14	0	2	0	6	7	0	2.19343	-5	8
3	13	0	1	1	3	9	0	4.17412	-5	75	3	14	0	1	1	5	6	2	6.66979	-5	11
3	13	0	0	2	2	8	2	8.15347	-5	78	3	14	0	1	1	6	7	0	2.12880	-5	11
3	13	1	1	0	3	9	0	1.43809	-4	78	3	14	1	1	0	6	7	0	4.88567	-6	14
3	13	1	0	1	2	8	2	2.68030	-8	81	3	14	0	0	2	5	6	2	2.26246	-6	14
3	13	1	0	1	3	9	0	6.28290	-7	81	3	14	1	0	1	6	7	0	1.03296	-5	17
3	13	2	0	0	3	9	0	2.38131	-7	84	3	14	1	0	1	5	6	2	3.64779	-5	17
3	13	0	2	0	2	9	1	9.99071	-5	85	3	14	2	0	0	6	7	0	1.70683	-5	20
3	13	0	1	1	2	9	1	1.30502	-4	88	3	14	0	2	0	5	7	1	1.01992	-5	22
3	13	1	1	0	2	9	1	5.07138	-6	91	3	14	0	1	1	5	7	1	5.06334	-6	25
3	13	0	0	2	1	8	3	4.98268	-5	91	3	14	1	1	0	5	7	1	6.35545	-5	28
3	13	0	0	2	2	9	1	1.11845	-7	91	3	14	0	0	2	4	6	3	1.01811	-4	28
3	13	1	0	1	2	9	1	1.48720	-5	94	3	14	0	0	2	5	7	1	1.01593	-5	28
3	13	2	0	0	2	9	1	6.55071	-7	97	3	14	1	0	1	5	7	1	3.98061	-5	31
3	13	0	2	0	2	10	0	4.42093	-5	98	3	14	2	0	0	5	7	1	1.04626	-7	34
3	13	0	1	1	1	9	2	1.38637	-4	101	3	14	0	2	0	5	8	0	1.78152	-5	36
3	13	0	1	1	2	10	0	1.99042	-5	101	3	14	0	1	1	4	7	2	9.73174	-5	39
3	13	0	0	2	1	9	2	8.85809	-5	104	3	14	0	1	1	5	8	0	3.12403	-5	39
3	13	1	1	0	2	10	0	1.17950	-4	104	3	14	1	1	0	5	8	0	3.91736	-5	42
3	13	1	0	1	2	10	0	2.50615	-6	107	3	14	0	0	2	4	7	2	1.86999	-5	42
3	13	1	0	1	1	9	2	2.35866	-6	107	3	14	1	0	1	5	8	0	2.73140	-6	45
3	13	2	0	0	2	10	0	6.45252	-7	110	3	14	1	0	1	4	7	2	1.40581	-5	45
3	13	0	2	0	1	10	1	1.34552	-4	111	3	14	2	0	0	5	8	0	8.62533	-6	48
3	13	0	1	1	1	10	1	2.72654	-4	114	3	14	0	2	0	4	8	1	2.60701	-5	50
3	13	1	1	0	1	10	1	2.27469	-6	117	3	14	0	1	1	4	8	1	2.40788	-6	53
3	13	0	0	2	0	9	3	1.66089	-5	117	3	14	1	1	0	4	8	1	4.18690	-5	56
3	13	0	0	2	1	10	1	2.05048	-6	117	3	14	0	0	2	3	7	3	8.31109	-5	56
3	13	1	0	1	1	10	1	9.70643	-8	120	3	14	0	0	2	4	8	1	6.06137	-6	56
3	13	2	0	0	1	10	1	8.79466	-8	123	3	14	1	0	1	4	8	1	3.97975	-5	59
3	13	0	2	0	1	11	0	2.74689	-4	124	3	14	2	0	0	4	8	1	2.04446	-7	62
3	13	0	1	1	1	11	0	2.59328	-7	127	3	14	0	2	0	4	9	0	5.62351	-6	64
3	13	0	1	1	0	10	2	7.22341	-5	127	3	14	0	1	1	3	8	2	1.18077	-4	67
3	13	0	0	2	0	10	2	5.53631	-5	130	3	14	0	1	1	4	9	0	3.45393	-5	67
3	13	1	1	0	1	11	0	2.84376	-5	130	3	14	1	1	0	4	9	0	8.44721	-5	70
3	13	1	0	1	1	11	0	1.48293	-6	133	3	14	0	0	2	3	8	2	4.32869	-5	70
3	13	1	0	1	0	10	2	4.09490	-6	133	3	14	1	0	1	4	9	0	3.73434	-8	73
3	13	2	0	0	1	11	0	1.04789	-6	136	3	14	1	0	1	3	8	2	2.43931	-6	73
3	13	0	2	0	0	11	1	1.23865	-4	137	3	14	2	0	0	4	9	0	2.16717	-6	76
3	13	0	1	1	0	11	1	3.26255	-4	140	3	14	0	2	0	3	9	1	5.04767	-5	78
3	13	0	0	2	0	11	1	6.99029	-6	143	3	14	0	1	1	3	9	1	3.70849	-5	81
3	13	1	1	0	0	11	1	1.83748	-5	143	3	14	1	1	0	3	9	1	1.71314	-5	84
3	13	1	0	1	0	11	1	8.27253	-6	146	3	14	0	0	2	2	8	3	5.71387	-5	84
3	13	2	0	0	0	11	1	1.52968	-7	149	3	14	0	0	2	3	9	1	1.79667	-6	84
3	13	0	2	0	0	12	0	9.22540	-4	150	3	14	1	0	1	3	9	1	2.52642	-5	87
3	13	0	1	1	0	12	0	3.34585	-5	153	3	14	2	0	0	3	9	1	5.70871	-7	90
3	13	1	1	0	0	12	0	3.23803	-5	156	3	14	0	2	0	3	10	0	1.53021	-6	92
3	13	1	0	1	0	12	0	4.78734	-7	159	3	14	0	1	1	2	9	2	1.18787	-4	95
3	13	2	0	0	0	12	0	1.41637	-7	162	3	14	0	1	1	3	10	0	2.71843	-5	95
											3	14	1	1	0	3	10	0	1.05308	-4	98
3	14	1	1	0	6	6	1	7.20619	-5	0	3	14	0	0	2	2	9	2	6.22177	-5	98
3	14	0	0	2	5	5	3	1.08598	-4	0	3	14	1	0	1	3	10	0	8.12185	-7	101
3	14	0	0	2	6	6	1	1.18164	-5	0	3	14	1	0	1	2	9	2	6.55929	-8	101

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X	n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X		
3	14	2	0	0	3	10	0	1.19412	- 8	104	3	15	2	0	0	6	7	1	6.65620	- 7	21
3	14	0	2	0	2	10	1	7.90364	- 5	106	3	15	0	2	0	6	8	0	1.58973	- 5	24
3	14	0	1	1	2	10	1	1.15382	- 4	109	3	15	0	1	1	6	8	0	1.94058	- 5	27
3	14	1	1	0	2	10	1	1.60045	- 6	112	3	15	0	1	1	5	7	2	5.98832	- 5	27
3	14	0	0	2	1	9	3	3.04740	- 5	112	3	15	1	1	0	6	8	0	1.21713	- 5	30
3	14	0	0	2	2	10	1	8.81766	-10	112	3	15	0	0	2	5	7	2	5.66003	- 6	30
3	14	1	0	1	2	10	1	7.40191	- 6	115	3	15	1	0	1	5	7	2	1.91309	- 5	33
3	14	2	0	0	2	10	1	3.95645	- 7	118	3	15	1	0	1	6	8	0	4.85146	- 6	33
3	14	0	2	0	2	11	0	4.86730	- 5	120	3	15	2	0	0	6	8	0	1.00949	- 5	36
3	14	0	1	1	1	10	2	9.36380	- 5	123	3	15	0	2	0	5	8	1	1.16150	- 5	39
3	14	0	1	1	2	11	0	1.11334	- 5	123	3	15	0	1	1	5	8	1	5.17489	- 7	42
3	14	1	1	0	2	11	0	7.61742	- 5	126	3	15	0	0	2	5	8	1	6.46861	- 6	45
3	14	0	0	2	1	10	2	6.17098	- 5	126	3	15	1	1	0	5	8	1	4.17329	- 5	45
3	14	1	0	1	2	11	0	1.87007	- 6	129	3	15	0	0	2	4	7	3	7.07504	- 5	45
3	14	1	0	1	1	10	2	2.05282	- 6	129	3	15	1	0	1	5	8	1	3.10817	- 5	48
3	14	2	0	0	2	11	0	6.07608	- 7	132	3	15	2	0	0	5	8	1	6.46860	-10	51
3	14	0	2	0	1	11	1	9.92784	- 5	134	3	15	0	2	0	5	9	0	1.02273	- 5	54
3	14	0	1	1	1	11	1	2.09189	- 4	137	3	15	0	1	1	5	9	0	2.49257	- 5	57
3	14	1	1	0	1	11	1	2.74261	- 6	140	3	15	0	1	1	4	8	2	7.92405	- 5	57
3	14	0	0	2	0	10	3	9.90405	- 6	140	3	15	1	1	0	5	9	0	4.17100	- 5	60
3	14	0	0	2	1	11	1	1.93989	- 6	140	3	15	0	0	2	4	8	2	2.02144	- 5	60
3	14	1	0	1	1	11	1	1.26687	- 8	143	3	15	1	0	1	4	8	2	6.46861	- 6	63
3	14	2	0	0	1	11	1	3.37433	- 8	146	3	15	1	0	1	5	9	0	9.10996	- 7	63
3	14	0	2	0	1	12	0	2.31634	- 4	148	3	15	2	0	0	5	9	0	4.39909	- 6	66
3	14	0	1	1	0	11	2	4.68989	- 5	151	3	15	0	2	0	4	9	1	2.49257	- 5	69
3	14	0	1	1	1	12	0	3.13640	-10	151	3	15	0	1	1	4	9	1	6.73814	- 6	72
3	14	1	1	0	1	12	0	1.47762	- 5	154	3	15	1	1	0	4	9	1	2.49257	- 5	75
3	14	0	0	2	0	11	2	3.63148	- 5	154	3	15	0	0	2	3	8	3	5.55896	- 5	75
3	14	1	0	1	0	11	2	2.80236	- 6	157	3	15	0	0	2	4	9	1	3.36907	- 6	75
3	14	1	0	1	1	12	0	8.88239	- 7	157	3	15	1	0	1	4	9	1	2.69525	- 5	78
3	14	2	0	0	1	12	0	6.75672	- 7	160	3	15	2	0	0	4	9	1	2.64135	- 7	81
3	14	0	2	0	0	12	1	8.66785	- 5	162	3	15	0	2	0	4	10	0	1.60465	- 6	84
3	14	0	1	1	0	12	1	2.30437	- 4	165	3	15	0	1	1	3	9	2	8.96846	- 5	87
3	14	1	1	0	0	12	1	1.35352	- 5	168	3	15	0	1	1	4	10	0	2.49257	- 5	87
3	14	0	0	2	0	12	1	5.08576	- 6	168	3	15	1	1	0	4	10	0	7.03854	- 5	90
3	14	1	0	1	0	12	1	6.27935	- 6	171	3	15	0	0	2	3	9	2	3.70597	- 5	90
3	14	2	0	0	0	12	1	1.21142	- 7	174	3	15	1	0	1	3	9	2	7.41195	- 7	93
3	14	0	2	0	0	13	0	6.93691	- 4	176	3	15	1	0	1	4	10	0	2.15620	- 8	93
3	14	0	1	1	0	13	0	2.61374	- 5	179	3	15	2	0	0	4	10	0	8.34882	- 7	96
3	14	1	1	0	0	13	0	2.63559	- 5	182	3	15	0	2	0	3	10	1	4.32633	- 5	99
3	14	1	0	1	0	13	0	4.05877	- 7	185	3	15	0	1	1	3	10	1	4.00838	- 5	102
3	14	2	0	0	0	13	0	1.25283	- 7	188	3	15	1	1	0	3	10	1	8.77100	- 6	105
3	15	1	1	0	7	7	0	0.00000		0	3	15	0	0	2	2	9	3	3.70597	- 5	105
3	15	0	0	2	6	6	2	0.00000		0	3	15	0	0	2	3	10	1	7.41195	- 7	105
3	15	1	0	1	6	6	2	3.80354	- 5	3	3	15	1	0	1	3	10	1	1.51797	- 5	108
3	15	1	0	1	7	7	0	1.16556	- 5	3	3	15	2	0	0	3	10	1	4.28114	- 7	111
3	15	2	0	0	7	7	0	1.51608	- 5	6	3	15	0	2	0	3	11	0	4.26939	- 6	114
3	15	0	2	0	6	7	1	3.92580	- 6	9	3	15	0	1	1	3	11	0	1.78224	- 5	117
3	15	0	1	1	6	7	1	1.08673	- 5	12	3	15	0	1	1	2	10	2	8.56228	- 5	117
3	15	1	1	0	6	7	1	5.22172	- 5	15	3	15	1	1	0	3	11	0	7.67971	- 5	120
3	15	0	0	2	5	6	3	7.92405	- 5	15	3	15	0	0	2	2	10	2	4.74365	- 5	120
3	15	0	0	2	6	7	1	8.49005	- 6	15	3	15	1	0	1	3	11	0	8.42267	- 7	123
3	15	0	0	2	6	7	1			15	3	15	1	0	1	2	10	2	2.37182	- 7	123
3	15	1	0	1	6	7	1	2.44513	- 5	18	3	15	2	0	0	3	11	0	1.30450	- 8	126

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f		X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f		X
3	15	0	2	0	2	11	1	6.27637	-5	129	3	16	2	0	0	7	8	0	9.98927	-6	22
3	15	0	1	1	2	11	1	9.97028	-5	132	3	16	0	2	0	6	8	1	5.10432	-6	26
3	15	0	0	2	1	10	3	1.92711	-5	135	3	16	0	1	1	6	8	1	3.89498	-6	29
3	15	1	1	0	2	11	1	3.62673	-7	135	3	16	1	1	0	6	8	1	3.70912	-5	32
3	15	0	0	2	2	11	1	6.73813	-8	135	3	16	0	0	2	6	8	1	5.93144	-6	32
3	15	1	0	1	2	11	1	3.64398	-6	138	3	16	0	0	2	5	7	3	5.79028	-5	32
3	15	2	0	0	2	11	1	2.38153	-7	141	3	16	1	0	1	6	8	1	2.16639	-5	35
3	15	0	2	0	2	12	0	4.98514	-5	144	3	16	2	0	0	6	8	1	1.32213	-7	38
3	15	0	1	1	1	11	2	6.47858	-5	147	3	16	0	2	0	6	9	0	1.08622	-5	42
3	15	0	1	1	2	12	0	6.23143	-6	147	3	16	0	1	1	5	8	2	5.19730	-5	45
3	15	1	1	0	2	12	0	4.98514	-5	150	3	16	0	1	1	6	9	0	1.68199	-5	45
3	15	0	0	2	1	11	2	4.37979	-5	150	3	16	1	1	0	6	9	0	1.73567	-5	48
3	15	1	0	1	1	11	2	1.71688	-6	153	3	16	0	0	2	5	8	2	8.14259	-6	48
3	15	1	0	1	2	12	0	1.37997	-6	153	3	16	1	0	1	5	8	2	1.00727	-5	51
3	15	2	0	0	2	12	0	5.28270	-7	156	3	16	1	0	1	6	9	0	2.19392	-6	51
3	15	0	2	0	1	12	1	7.44746	-5	159	3	16	2	0	0	6	9	0	5.87045	-6	54
3	15	0	1	1	1	12	1	1.62017	-4	162	3	16	0	2	0	5	9	1	1.21754	-5	58
3	15	1	1	0	1	12	1	2.87034	-6	165	3	16	0	1	1	5	9	1	1.59178	-7	61
3	15	0	0	2	0	11	3	6.13170	-6	165	3	16	1	1	0	5	9	1	2.72950	-5	64
3	15	0	0	2	1	12	1	1.75192	-6	165	3	16	0	0	2	5	9	1	4.06930	-6	64
3	15	1	0	1	1	12	1	1.40153	-7	168	3	16	0	0	2	4	8	3	4.97603	-5	64
3	15	2	0	0	1	12	1	1.12123	-8	171	3	16	1	0	1	5	9	1	2.33633	-5	67
3	15	0	2	0	1	13	0	1.95321	-4	174	3	16	2	0	0	5	9	1	4.43653	-8	70
3	15	0	1	1	1	13	0	1.34763	-7	177	3	16	0	2	0	5	10	0	5.39167	-6	74
3	15	0	1	1	0	12	2	3.13943	-5	177	3	16	0	1	1	4	9	2	6.38853	-5	77
3	15	1	1	0	1	13	0	7.62822	-6	180	3	16	0	1	1	5	10	0	1.95187	-5	77
3	15	0	0	2	0	12	2	2.45268	-5	180	3	16	1	1	0	5	10	0	4.00022	-5	80
3	15	1	0	1	0	12	2	1.96214	-6	183	3	16	0	0	2	4	9	2	1.97461	-5	80
3	15	1	0	1	1	13	0	5.39051	-7	183	3	16	1	0	1	4	9	2	2.91911	-6	83
3	15	2	0	0	1	13	0	4.41590	-7	186	3	16	1	0	1	5	10	0	2.39004	-7	83
3	15	0	2	0	0	13	1	6.21985	-5	189	3	16	2	0	0	5	10	0	2.20829	-6	86
3	15	0	1	1	0	13	1	1.66707	-4	192	3	16	0	2	0	4	10	1	2.30406	-5	90
3	15	1	1	0	0	13	1	1.01488	-5	195	3	16	0	1	1	4	10	1	1.06082	-5	93
3	15	0	0	2	0	13	1	3.77336	-6	195	3	16	1	1	0	4	10	1	1.48586	-5	96
3	15	1	0	1	0	13	1	4.82990	-6	198	3	16	0	0	2	4	10	1	1.84334	-6	96
3	15	2	0	0	0	13	1	9.65979	-8	201	3	16	0	0	2	3	9	3	3.79126	-5	96
3	15	0	2	0	0	14	0	5.32289	-4	204	3	16	1	0	1	4	10	1	1.81274	-5	99
3	15	0	1	1	0	14	0	2.07211	-5	207	3	16	2	0	0	4	10	1	2.63784	-7	102
3	15	1	1	0	0	14	0	2.16379	-5	210	3	16	0	2	0	4	11	0	1.65184	-7	106
3	15	1	0	1	0	14	0	3.44993	-7	213	3	16	0	1	1	3	10	2	6.84453	-5	109
3	15	2	0	0	0	14	0	1.10398	-7	216	3	16	0	1	1	4	11	0	1.79583	-5	109
3	16	1	1	0	7	7	1	4.07801	-5	0	3	16	0	0	2	3	10	2	3.09619	-5	112
3	16	0	0	2	7	7	1	6.64853	-6	0	3	16	1	1	0	4	11	0	5.70791	-5	112
3	16	0	0	2	6	6	3	6.07980	-5	0	3	16	1	0	1	3	10	2	1.63214	-7	115
3	16	1	0	1	7	7	1	1.36181	-5	3	3	16	2	0	0	4	11	0	1.18419	-7	115
3	16	2	0	0	7	7	1	1.43531	-6	6	3	16	0	2	0	3	11	1	2.86898	-7	118
3	16	0	2	0	7	8	0	1.23441	-5	10	3	16	0	1	1	3	11	1	3.67459	-5	122
3	16	0	1	1	6	7	2	3.66798	-5	13	3	16	0	0	2	3	11	1	4.01309	-5	125
3	16	0	1	1	7	8	0	1.16870	-5	13	3	16	1	1	0	3	11	1	2.68388	-7	128
3	16	1	1	0	7	8	0	2.10423	-6	16	3	16	0	0	2	2	10	3	4.41192	-6	128
3	16	0	0	2	6	7	2	9.65047	-7	16	3	16	1	0	1	3	11	1	2.46432	-5	128
3	16	1	0	1	6	7	2	2.17819	-5	19	3	16	2	0	0	3	11	1	9.15267	-6	131
3	16	1	0	1	7	8	0	6.25764	-6	19	3	16	0	2	0	3	12	0	3.10074	-7	134
3	16	1	0	1	7	8	0			19	3	16	0	2	0	3	12	0	6.95155	-6	138

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X	n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X		
3	16	0	1	1	2	11	2	6.26198	- 5	141	3	17	0	2	0	7	8	1	2.18942	- 6	11
3	16	0	1	1	3	12	0	1.17588	- 5	141	3	17	0	1	1	7	8	1	6.79901	- 6	14
3	16	1	1	0	3	12	0	5.60380	- 5	144	3	17	0	0	2	6	7	3	4.64017	- 5	17
3	16	0	0	2	2	11	2	3.62927	- 5	144	3	17	0	0	2	7	8	1	5.01253	- 6	17
3	16	1	0	1	3	12	0	7.85952	- 7	147	3	17	1	1	0	7	8	1	3.09393	- 5	17
3	16	1	0	1	2	11	2	3.67766	- 7	147	3	17	1	0	1	7	8	1	1.38755	- 5	20
3	16	2	0	0	3	12	0	5.88852	- 8	150	3	17	2	0	0	7	8	1	4.75380	- 7	23
3	16	0	2	0	2	12	1	5.01173	- 5	154	3	17	0	2	0	7	9	0	9.46274	- 6	28
3	16	0	1	1	2	12	1	8.50872	- 5	157	3	17	0	1	1	6	8	2	3.37577	- 5	31
3	16	1	1	0	2	12	1	2.37925	- 8	160	3	17	0	1	1	7	9	0	1.09368	- 5	31
3	16	0	0	2	1	11	3	1.25456	- 5	160	3	17	1	1	0	7	9	0	5.60014	- 6	34
3	16	0	0	2	2	12	1	1.62058	- 7	160	3	17	0	0	2	6	8	2	2.57787	- 6	34
3	16	1	0	1	2	12	1	1.74828	- 6	163	3	17	1	0	1	6	8	2	1.25281	- 5	37
3	16	2	0	0	2	12	1	1.42992	- 7	166	3	17	1	0	1	7	9	0	3.29244	- 6	37
3	16	0	2	0	2	13	0	4.88975	- 5	170	3	17	2	0	0	7	9	0	6.41111	- 6	40
3	16	0	1	1	1	12	2	4.57904	- 5	173	3	17	0	2	0	6	9	1	5.89192	- 6	45
3	16	0	1	1	2	13	0	3.46288	- 6	173	3	17	0	1	1	6	9	1	8.72286	- 7	48
3	16	1	1	0	2	13	0	3.30142	- 5	176	3	17	0	0	2	6	9	1	4.07368	- 6	51
3	16	0	0	2	1	12	2	3.16254	- 5	176	3	17	1	1	0	6	9	1	2.60720	- 5	51
3	16	1	0	1	1	12	2	1.40702	- 6	179	3	17	0	0	2	5	8	3	4.25349	- 5	51
3	16	1	0	1	2	13	0	1.01426	- 6	179	3	17	1	0	1	6	9	1	1.79739	- 5	54
3	16	2	0	0	2	13	0	4.39822	- 7	182	3	17	2	0	0	6	9	1	8.08509	- 9	57
3	16	0	2	0	1	13	1	5.67139	- 5	186	3	17	0	2	0	6	10	0	7.04256	- 6	62
3	16	0	1	1	1	13	1	1.26710	- 4	189	3	17	0	1	1	5	9	2	4.42193	- 5	65
3	16	1	1	0	1	13	1	2.78994	- 6	192	3	17	0	1	1	6	10	0	1.41367	- 5	65
3	16	0	0	2	0	12	3	3.92051	- 6	192	3	17	1	1	0	6	10	0	1.99053	- 5	68
3	16	0	0	2	1	13	1	1.54158	- 6	192	3	17	0	0	2	5	9	2	9.45220	- 6	68
3	16	1	0	1	1	13	1	2.84131	- 7	195	3	17	1	0	1	5	9	2	5.29847	- 6	71
3	16	2	0	0	1	13	1	2.68233	- 9	198	3	17	1	0	1	6	10	0	9.34359	- 7	71
3	16	0	2	0	1	14	0	1.65059	- 4	202	3	17	2	0	0	6	10	0	3.37418	- 6	74
3	16	0	1	1	0	13	2	2.15762	- 5	205	3	17	0	2	0	5	10	1	1.21171	- 5	79
3	16	0	1	1	1	14	0	3.57887	- 7	205	3	17	0	1	1	5	10	1	1.44573	- 6	82
3	16	1	1	0	1	14	0	3.85565	- 6	208	3	17	0	0	2	5	10	1	2.53559	- 6	85
3	16	0	0	2	0	13	2	1.69889	- 5	208	3	17	1	1	0	5	10	1	1.78346	- 5	85
3	16	1	0	1	0	13	2	1.40191	- 6	211	3	17	0	0	2	4	9	3	3.54458	- 5	85
3	16	1	0	1	1	14	0	3.30090	- 7	211	3	17	1	0	1	5	10	1	1.71994	- 5	88
3	16	2	0	0	1	14	0	2.91930	- 7	214	3	17	2	0	0	5	10	1	9.10661	- 8	91
3	16	0	2	0	0	14	1	4.56092	- 5	218	3	17	0	2	0	5	11	0	2.52022	- 6	96
3	16	0	1	1	0	14	1	1.23125	- 4	221	3	17	0	1	1	4	10	2	5.13061	- 5	99
3	16	1	1	0	0	14	1	7.73073	- 6	224	3	17	0	1	1	5	11	0	1.51248	- 5	99
3	16	0	0	2	0	14	1	2.84833	- 6	224	3	17	0	0	2	4	10	2	1.82292	- 5	102
3	16	1	0	1	0	14	1	3.76068	- 6	227	3	17	1	1	0	5	11	0	3.61660	- 5	102
3	16	2	0	0	0	14	1	7.75825	- 8	230	3	17	1	0	1	5	11	0	3.20203	- 8	105
3	16	0	2	0	0	15	0	4.15619	- 4	234	3	17	1	0	1	4	10	2	1.26504	- 6	105
3	16	0	1	1	0	15	0	1.66425	- 5	237	3	17	2	0	0	5	11	0	1.08299	- 6	108
3	16	1	1	0	0	15	0	1.79105	- 5	240	3	17	0	2	0	4	11	1	2.08471	- 5	113
3	16	1	0	1	0	15	0	2.94239	- 7	243	3	17	0	1	1	4	11	1	1.33447	- 5	116
3	16	2	0	0	0	15	0	9.71218	- 8	246	3	17	0	0	2	4	11	1	9.85457	- 7	119
											3	17	1	1	0	4	11	1	8.85347	- 6	119
3	17	0	0	2	7	7	2	0.00000		0	3	17	0	0	2	3	10	3	2.63311	- 5	119
3	17	1	1	0	8	8	0	0.00000		0	3	17	1	0	1	4	11	1	1.21652	- 5	122
3	17	1	0	1	7	7	2	2.24783	- 5	3	3	17	2	0	0	4	11	1	2.33792	- 7	125
3	17	1	0	1	8	8	0	6.89927	- 6	3	3	17	0	2	0	4	12	0	6.67351	- 8	130
3	17	2	0	0	8	8	0	8.94211	- 6	6	3	17	0	1	1	3	11	2	5.25795	- 5	133

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X	n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X		
3	17	0	1	1	4	12	0	1.29507	- 5	133	3	17	1	1	0	0	15	1	5.97256	- 6	255
3	17	1	1	0	4	12	0	4.55885	- 5	136	3	17	1	0	1	0	15	1	2.96134	- 6	258
3	17	0	0	2	3	11	2	2.55332	- 5	136	3	17	2	0	0	0	15	1	6.27621	- 8	261
3	17	1	0	1	3	11	2	1.10438	- 8	139	3	17	0	2	0	0	16	0	3.29478	- 4	266
3	17	1	0	1	4	12	0	2.04830	- 7	139	3	17	0	1	1	0	16	0	1.35226	- 5	269
3	17	2	0	0	4	12	0	7.78556	- 8	142	3	17	1	1	0	0	16	0	1.49399	- 5	272
3	17	0	2	0	3	12	1	3.10746	- 5	147	3	17	1	0	1	0	16	0	2.51920	- 7	275
3	17	0	1	1	3	12	1	3.83853	- 5	150	3	17	2	0	0	0	16	0	8.54261	- 8	278
3	17	0	0	2	3	12	1	7.38808	- 8	153											
3	17	1	1	0	3	12	1	2.14719	- 6	153	3	18	1	1	0	8	8	1	2.48576	- 5	0
3	17	0	0	2	2	11	3	1.67562	- 5	153	3	18	0	0	2	8	8	1	4.03865	- 6	0
3	17	1	0	1	3	12	1	5.53007	- 6	156	3	18	0	0	2	7	7	3	3.67883	- 5	0
3	17	2	0	0	3	12	1	2.20261	- 7	159	3	18	1	0	1	8	8	1	8.22635	- 6	3
3	17	0	2	0	3	13	0	9.11716	- 6	164	3	18	2	0	0	8	8	1	8.99649	- 7	6
3	17	0	1	1	3	13	0	7.79994	- 6	167	3	18	0	2	0	8	9	0	7.48944	- 6	12
3	17	0	1	1	2	12	2	4.64322	- 5	167	3	18	0	1	1	7	8	2	2.18574	- 5	15
3	17	1	1	0	3	13	0	4.10173	- 5	170	3	18	0	1	1	8	9	0	6.95163	- 6	15
3	17	0	0	2	2	12	2	2.79270	- 5	170	3	18	1	1	0	8	9	0	1.00934	- 6	18
3	17	1	0	1	2	12	2	4.34849	- 7	173	3	18	0	0	2	7	8	2	4.59854	- 7	18
3	17	1	0	1	3	13	0	6.92220	- 7	173	3	18	1	0	1	8	9	0	4.00882	- 6	21
3	17	2	0	0	3	13	0	9.75491	- 8	176	3	18	1	0	1	7	8	2	1.38100	- 5	21
3	17	0	2	0	2	13	1	4.02746	- 5	181	3	18	2	0	0	8	9	0	6.23388	- 6	24
3	17	0	1	1	2	13	1	7.21544	- 5	184	3	18	0	2	0	7	9	1	2.81320	- 6	30
3	17	0	0	2	2	13	1	2.38692	- 7	187	3	18	0	1	1	7	9	1	2.90673	- 6	33
3	17	1	1	0	2	13	1	2.21313	- 8	187	3	18	0	0	2	6	8	3	3.54087	- 5	36
3	17	0	0	2	1	12	3	8.37809	- 6	187	3	18	1	1	0	7	9	1	2.30801	- 5	36
3	17	1	0	1	2	13	1	7.99494	- 7	190	3	18	0	0	2	7	9	1	3.69160	- 6	36
3	17	2	0	0	2	13	1	8.55331	- 8	193	3	18	1	0	1	7	9	1	1.27425	- 5	39
3	17	0	2	0	2	14	0	4.66704	- 5	198	3	18	2	0	0	7	9	1	1.28654	- 7	42
3	17	0	1	1	1	13	2	3.29861	- 5	201	3	18	0	2	0	7	10	0	6.92325	- 6	48
3	17	0	1	1	2	14	0	1.89204	- 6	201	3	18	0	1	1	6	9	2	3.01766	- 5	51
3	17	0	0	2	1	13	2	2.32009	- 5	204	3	18	0	1	1	7	10	0	9.80317	- 6	51
3	17	1	1	0	2	14	0	2.20905	- 5	204	3	18	1	1	0	7	10	0	8.48491	- 6	54
3	17	1	0	1	1	13	2	1.14176	- 6	207	3	18	0	0	2	6	9	2	3.93430	- 6	54
3	17	1	0	1	2	14	0	7.45381	- 7	207	3	18	1	0	1	6	9	2	7.22655	- 6	57
3	17	2	0	0	2	14	0	3.57248	- 7	210	3	18	1	0	1	7	10	0	1.68821	- 6	57
3	17	0	2	0	1	14	1	4.37826	- 5	215	3	18	2	0	0	7	10	0	4.05041	- 6	60
3	17	0	1	1	1	14	1	1.00052	- 4	218	3	18	0	2	0	6	10	1	6.32061	- 6	66
3	17	0	0	2	1	14	1	1.33668	- 6	221	3	18	0	1	1	6	10	1	1.70760	- 8	69
3	17	1	1	0	1	14	1	2.59920	- 6	221	3	18	1	1	0	6	10	1	1.82304	- 5	72
3	17	0	0	2	0	13	3	2.57787	- 6	221	3	18	0	0	2	6	10	1	2.76631	- 6	72
3	17	1	0	1	1	14	1	3.90827	- 7	224	3	18	0	0	2	5	9	3	3.14744	- 5	72
3	17	2	0	0	1	14	1	1.96050	-10	227	3	18	1	0	1	6	10	1	1.43609	- 5	75
3	17	0	2	0	1	15	0	1.39957	- 4	232	3	18	2	0	0	6	10	1	5.35106	- 9	78
3	17	0	1	1	0	14	2	1.51729	- 5	235	3	18	0	2	0	6	11	0	4.32330	- 6	84
3	17	0	1	1	1	15	0	5.61325	- 7	235	3	18	0	1	1	5	10	2	3.71914	- 5	87
3	17	1	1	0	1	15	0	1.86948	- 6	238	3	18	0	1	1	6	11	0	1.16550	- 5	87
3	17	0	0	2	0	14	2	1.20301	- 5	238	3	18	1	1	0	6	11	0	2.04110	- 5	90
3	17	1	0	1	0	14	2	1.01985	- 6	241	3	18	0	0	2	5	10	2	9.83576	- 6	90
3	17	1	0	1	1	15	0	2.03131	- 7	241	3	18	1	0	1	5	10	2	2.76631	- 6	93
3	17	2	0	0	1	15	0	1.94833	- 7	244	3	18	1	0	1	6	11	0	3.59274	- 7	93
3	17	0	2	0	0	15	1	3.40823	- 5	249	3	18	2	0	0	6	11	0	1.91863	- 6	96
3	17	0	1	1	0	15	1	9.25972	- 5	252	3	18	0	2	0	5	11	1	1.16550	- 5	102
3	17	0	0	2	0	15	1	2.18324	- 6	255	3	18	0	1	1	5	11	1	3.12956	- 6	105

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X	n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X		
3	18	1	1	0	5	11	1	1.16550	-5	108	3	18	1	0	1	2	15	0	5.48884	-7	237
3	18	0	0	2	5	11	1	1.56478	-6	108	3	18	1	0	1	1	14	2	9.22900	-7	237
3	18	0	0	2	4	10	3	2.55730	-5	108	3	18	2	0	0	2	15	0	2.86055	-7	240
3	18	1	0	1	5	11	1	1.25182	-5	111	3	18	2	0	0	2	15	0	2.86055	-7	240
3	18	2	0	0	5	11	1	1.14778	-7	114	3	18	0	2	0	1	15	1	3.42225	-5	246
3	18	0	2	0	5	12	0	9.59886	-7	120	3	18	0	1	1	1	15	1	7.97363	-5	249
3	18	0	1	1	4	11	2	4.11928	-5	123	3	18	1	1	0	1	15	1	2.36033	-6	252
3	18	0	1	1	5	12	0	1.16550	-5	123	3	18	0	0	2	1	15	1	1.14963	-6	252
3	18	1	1	0	5	12	0	3.15548	-5	126	3	18	0	0	2	0	14	3	1.73722	-6	252
3	18	0	0	2	4	11	2	1.62737	-5	126	3	18	1	0	1	1	15	1	4.54176	-7	255
3	18	1	0	1	4	11	2	5.08553	-7	129	3	18	2	0	0	1	15	1	1.54004	-10	258
3	18	1	0	1	5	12	0	6.79158	-10	129	3	18	0	2	0	1	16	0	1.19154	-4	264
3	18	2	0	0	5	12	0	5.12094	-7	132	3	18	0	1	1	1	16	0	7.14211	-7	267
3	18	0	2	0	4	12	1	1.86058	-5	138	3	18	0	1	1	0	15	2	1.08878	-5	267
3	18	0	1	1	4	12	1	1.49458	-5	141	3	18	0	0	2	0	15	2	8.68612	-6	270
3	18	1	1	0	4	12	1	5.25743	-6	144	3	18	1	1	0	1	16	0	8.41686	-7	270
3	18	0	0	2	4	12	1	5.08553	-7	144	3	18	1	0	1	0	15	2	7.54004	-7	273
3	18	0	0	2	3	11	3	1.85985	-5	144	3	18	1	0	1	1	16	0	1.25090	-7	273
3	18	1	0	1	4	12	1	8.16510	-6	147	3	18	2	0	0	1	16	0	1.31024	-7	276
3	18	2	0	0	4	12	1	1.94264	-7	150	3	18	0	2	0	0	16	1	2.58959	-5	282
3	18	0	2	0	4	13	0	5.90490	-7	156	3	18	0	1	1	0	16	1	7.07595	-5	285
3	18	0	1	1	3	12	2	4.06923	-5	159	3	18	1	1	0	0	16	1	4.67333	-6	288
3	18	0	1	1	4	13	0	9.36067	-6	159	3	18	0	0	2	0	16	1	1.69651	-6	288
3	18	1	1	0	4	13	0	3.61112	-5	162	3	18	1	0	1	0	16	1	2.35626	-6	291
3	18	0	0	2	3	12	2	2.09233	-5	162	3	18	2	0	0	0	16	1	5.11341	-8	294
3	18	1	0	1	3	12	2	8.07227	-9	165	3	18	0	2	0	0	17	0	2.64694	-4	300
3	18	1	0	1	4	13	0	2.55608	-7	165	3	18	0	1	1	0	17	0	1.11025	-5	303
3	18	2	0	0	4	13	0	1.10329	-8	168	3	18	1	1	0	0	17	0	1.25524	-5	306
3	18	0	2	0	3	13	1	2.62416	-5	174	3	18	1	0	1	0	17	0	2.16568	-7	309
3	18	0	1	1	3	13	1	3.56790	-5	177	3	18	2	0	0	0	17	0	7.51973	-8	312
3	18	1	1	0	3	13	1	9.87115	-7	180											
3	18	0	0	2	3	13	1	8.94159	-9	180	4	5	0	0	3	0	0	4	5.23366	-1	0
3	18	0	0	2	2	12	3	1.16241	-5	180	4	5	0	0	3	1	1	2	2.15940	-2	0
3	18	1	0	1	3	13	1	3.34018	-6	183	4	5	1	1	1	1	1	2	2.45801	-1	0
3	18	2	0	0	3	13	1	1.54719	-7	186	4	5	1	1	1	2	2	0	9.51575	-2	0
3	18	0	2	0	3	14	0	1.06690	-5	192	4	5	0	1	2	0	1	3	3.54254	-1	1
3	18	0	1	1	2	13	2	3.48778	-5	195	4	5	0	1	2	1	2	1	4.47804	-2	1
3	18	0	1	1	3	14	0	5.19471	-6	195	4	5	1	2	0	1	2	1	1.51067	-1	1
3	18	1	1	0	3	14	0	3.01550	-5	198	4	5	0	2	1	0	2	2	2.12405	-1	2
3	18	0	0	2	2	13	2	2.16387	-5	198	4	5	0	2	1	1	3	0	6.93686	-2	2
3	18	1	0	1	2	13	2	4.52668	-7	201	4	5	3	0	0	3	1	0	4.53687	-2	2
3	18	1	0	1	3	14	0	5.89321	-7	201	4	5	2	0	1	2	1	1	8.23159	-2	3
3	18	0	2	0	2	14	1	3.25829	-5	210	4	5	0	3	0	0	3	1	9.51579	-2	3
3	18	0	1	1	2	14	1	6.10268	-5	213	4	5	1	0	2	1	1	2	1.10781	-1	4
3	18	1	1	0	2	14	1	1.24328	-7	216	4	5	2	1	0	2	2	0	1.45847	-1	4
3	18	0	0	2	2	14	1	2.88207	-7	216	4	5	0	0	3	0	1	3	1.30842	-1	5
3	18	0	0	2	1	13	3	5.72262	-6	216	4	5	1	1	1	1	2	1	1.91629	-1	5
3	18	1	0	1	2	14	1	3.35709	-7	219	4	5	0	1	2	0	2	2	2.20887	-1	6
3	18	2	0	0	2	14	1	5.08291	-8	222	4	5	1	2	0	1	3	0	2.45768	-1	6
3	18	0	2	0	2	15	0	4.37595	-5	228	4	5	0	2	1	0	3	1	2.76451	-1	7
3	18	0	1	1	1	14	2	2.41710	-5	231	4	5	3	0	0	2	1	1	4.54694	-4	7
3	18	0	1	1	2	15	0	1.00295	-6	231	4	5	2	0	1	1	2	2	9.44858	-4	8
3	18	0	0	2	1	14	2	1.72701	-5	234	4	5	2	0	1	2	2	0	7.03957	-4	8
3	18	1	1	0	2	15	0	1.49110	-5	234	4	5	0	3	0	0	4	0	3.03404	-1	8

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X	n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X		
4	5	1	0	2	0	1	3	9.81312	-4	9	4	6	0	0	3	0	2	3	1.77289	-2	12
4	5	1	0	2	1	2	1	7.93842	-4	9	4	6	1	1	1	1	3	1	2.87444	-2	12
4	5	2	1	0	1	2	1	1.43394	-3	9	4	6	0	3	0	0	4	1	2.04990	-2	12
4	5	0	0	3	0	2	2	7.66650	-4	10	4	6	3	0	0	2	2	1	8.51724	-5	12
4	5	1	1	1	0	2	2	1.46001	-3	10	4	6	0	1	2	0	3	2	4.07210	-2	14
4	5	1	1	1	1	3	0	1.58346	-3	10	4	6	2	0	1	1	2	2	2.59700	-4	14
4	5	0	1	2	0	3	1	1.49521	-3	11	4	6	2	0	1	2	3	0	1.87417	-4	14
4	5	1	2	0	0	3	1	1.57891	-3	11	4	6	1	2	0	1	4	0	4.65226	-2	14
4	5	0	2	1	0	4	0	1.45783	-3	12	4	6	1	0	2	0	2	3	3.69351	-4	16
4	5	3	0	0	2	2	0	5.30804	-5	12	4	6	1	0	2	1	3	1	2.59700	-4	16
4	5	2	0	1	1	2	1	9.90272	-5	13	4	6	0	2	1	0	4	1	6.08084	-2	16
4	5	1	0	2	0	2	2	9.19980	-5	14	4	6	2	1	0	1	3	1	5.37042	-4	16
4	5	2	1	0	1	3	0	1.81732	-4	14	4	6	0	0	3	0	3	2	2.77014	-4	18
4	5	1	1	1	0	3	1	1.66056	-4	15	4	6	1	1	1	0	3	2	7.19038	-4	18
4	5	1	2	0	0	4	0	1.49218	-4	16	4	6	1	1	1	1	4	0	6.97352	-4	18
4	5	3	0	0	1	2	1	1.69633	-7	17	4	6	0	3	0	0	5	0	7.33208	-2	18
4	5	2	0	1	0	2	2	2.29995	-7	18	4	6	3	0	0	2	3	0	3.22679	-5	18
4	5	2	0	1	1	3	0	2.86605	-7	18	4	6	0	1	2	0	4	1	6.93255	-4	20
4	5	1	0	2	0	3	1	2.39578	-7	19	4	6	2	0	1	1	3	1	8.01544	-5	20
4	5	2	1	0	0	3	1	3.83014	-7	19	4	6	1	2	0	0	4	1	8.76119	-4	20
4	5	1	1	1	0	4	0	3.15457	-7	20	4	6	1	0	2	0	3	2	9.23379	-5	22
4	5	3	0	0	1	3	0	7.61272	-9	22	4	6	0	2	1	0	5	0	8.12465	-4	22
4	5	2	0	1	0	3	1	9.58313	-9	23	4	6	2	1	0	1	4	0	1.89116	-4	22
4	5	2	1	0	0	4	0	1.19141	-8	24	4	6	1	1	1	0	4	1	2.06905	-4	24
4	5	3	0	0	0	3	1	7.98594	-12	27	4	6	3	0	0	1	3	1	3.63663	-7	24
4	5	2	0	1	0	4	0	9.35852	-12	28	4	6	2	0	1	0	3	2	6.41235	-7	26
4	5	3	0	0	0	4	0	1.24780	-13	32	4	6	2	0	1	1	4	0	7.57710	-7	26
											4	6	1	2	0	0	5	0	2.14904	-4	26
4	6	0	0	3	1	1	3	0.00000		0	4	6	1	0	2	0	4	1	7.21390	-7	28
4	6	1	1	1	2	2	1	0.00000		0	4	6	2	1	0	0	4	1	1.27820	-6	28
4	6	0	3	0	1	3	1	9.99622	-4	0	4	6	1	1	1	0	5	0	1.16257	-6	30
4	6	3	0	0	3	1	1	9.99622	-4	0	4	6	3	0	0	1	4	0	5.21839	-8	30
4	6	0	1	2	1	2	2	4.61689	-4	2	4	6	2	0	1	0	4	1	8.01544	-8	32
4	6	2	0	1	2	1	2	4.87659	-3	2	4	6	2	1	0	0	5	0	1.18460	-7	34
4	6	2	0	1	3	2	0	1.71286	-3	2	4	6	3	0	0	0	4	1	1.85543	-10	36
4	6	1	2	0	2	3	0	6.55374	-4	2	4	6	2	0	1	0	5	0	2.50482	-10	38
4	6	1	0	2	1	1	3	1.47741	-2	4	4	6	3	0	0	0	5	0	9.27713	-12	42
4	6	1	0	2	2	2	1	1.90808	-3	4											
4	6	0	2	1	1	3	1	1.69607	-3	4	4	7	0	0	3	1	1	4	1.03197	-2	0
4	6	2	1	0	2	2	1	7.42471	-3	4	4	7	0	0	3	2	2	2	5.51860	-4	0
4	6	0	0	3	0	1	4	3.54577	-2	6	4	7	1	1	1	2	2	2	8.39807	-3	0
4	6	0	0	3	1	2	2	1.38507	-3	6	4	7	1	1	1	3	3	0	3.27349	-3	0
4	6	1	1	1	1	2	2	2.03528	-2	6	4	7	2	0	1	3	2	1	2.10197	-3	1
4	6	1	1	1	2	3	0	7.42471	-3	6	4	7	0	3	0	2	4	0	1.15559	-3	2
4	6	0	3	0	1	4	0	2.33209	-3	6	4	7	0	1	2	1	2	3	8.72301	-3	3
4	6	3	0	0	3	2	0	2.06376	-3	6	4	7	0	1	2	2	3	1	1.25250	-3	3
4	6	0	1	2	0	2	3	4.46915	-2	8	4	7	1	2	0	2	3	1	4.89614	-3	3
4	6	0	1	2	1	3	1	4.87659	-3	8	4	7	1	0	2	2	2	2	2.03289	-3	4
4	6	2	0	1	2	2	1	6.06328	-3	8	4	7	2	1	0	3	3	0	3.16522	-3	4
4	6	1	2	0	1	3	1	1.85041	-2	8	4	7	3	0	0	3	2	1	6.95366	-6	5
4	6	1	0	2	1	2	2	1.15422	-2	10	4	7	0	2	1	1	3	2	4.44094	-3	6
4	6	0	2	1	0	3	2	3.72436	-2	10	4	7	0	2	1	2	4	0	1.62640	-3	6
4	6	0	2	1	1	4	0	1.10936	-2	10	4	7	0	0	3	1	2	3	1.03197	-3	7
4	6	2	1	0	2	3	0	1.63843	-2	10	4	7	1	1	1	2	3	1	2.40083	-3	7

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X	n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X		
4	7	2	0	1	2	2	2	1.94083	- 4	8	4	7	1	1	1	0	6	0	1.79729	- 6	42
4	7	2	0	1	3	3	0	4.43677	- 5	8	4	7	2	0	1	0	5	1	1.74268	- 7	43
4	7	0	3	0	1	4	1	1.27645	- 3	9	4	7	2	1	0	0	6	0	2.97641	- 7	46
4	7	0	1	2	1	3	2	8.30924	- 4	10	4	7	3	0	0	0	5	1	6.66843	-10	47
4	7	1	2	0	2	4	0	1.24970	- 3	10	4	7	2	0	1	0	6	0	1.02110	- 9	50
4	7	1	0	2	1	2	3	1.42553	- 3	11	4	7	3	0	0	0	6	0	6.25165	-11	54
4	7	1	0	2	2	3	1	1.12977	- 4	11											
4	7	2	1	0	2	3	1	5.77402	- 4	11	4	8	0	0	3	2	2	3	0.00000		0
4	7	3	0	0	3	3	0	1.58579	- 4	12	4	8	0	2	1	2	3	2	5.96094	- 4	0
4	7	0	2	1	1	4	1	1.75955	- 4	13	4	8	0	2	1	3	4	0	2.07810	- 4	0
4	7	0	0	3	0	2	4	6.19180	- 3	14	4	8	1	1	1	3	3	1	0.00000		0
4	7	0	0	3	1	3	2	1.48144	- 4	14	4	8	2	0	1	3	2	2	5.96094	- 4	0
4	7	1	1	1	1	3	2	3.11766	- 3	14	4	8	2	0	1	4	3	0	2.07810	- 4	0
4	7	1	1	1	2	4	0	9.41818	- 4	14	4	8	0	1	2	2	3	2	1.32007	- 4	4
4	7	2	0	1	2	3	1	7.76132	- 4	15	4	8	1	0	2	2	2	3	1.98011	- 3	4
4	7	0	3	0	1	5	0	1.70778	- 5	16	4	8	1	0	2	3	3	1	2.66214	- 4	4
4	7	0	1	2	0	3	3	1.11061	- 2	17	4	8	0	3	0	2	4	1	8.22493	- 5	4
4	7	0	1	2	1	4	1	9.04294	- 4	17	4	8	1	2	0	3	4	0	2.10001	- 4	4
4	7	1	2	0	1	4	1	3.94290	- 3	17	4	8	2	1	0	3	3	1	1.12621	- 3	4
4	7	1	0	2	1	3	2	2.19920	- 3	18	4	8	3	0	0	4	3	0	2.67804	- 4	4
4	7	2	1	0	2	4	0	3.11073	- 3	18	4	8	0	0	3	1	2	4	3.52019	- 3	8
4	7	3	0	0	2	3	1	1.87377	- 5	19	4	8	0	0	3	2	3	2	1.76009	- 4	8
4	7	0	2	1	0	4	2	1.16567	- 2	20	4	8	0	2	1	2	4	1	4.33664	- 4	8
4	7	0	2	1	1	5	0	3.04183	- 3	20	4	8	1	1	1	2	3	2	2.99491	- 3	8
4	7	0	0	3	0	3	3	4.64385	- 3	21	4	8	1	1	1	3	4	0	1.12621	- 3	8
4	7	1	1	1	1	4	1	7.39616	- 3	21	4	8	2	0	1	3	3	1	7.94243	- 4	8
4	7	2	0	1	1	3	2	8.24652	- 5	22	4	8	0	1	2	1	3	3	4.40024	- 3	12
4	7	2	0	1	2	4	0	5.65209	- 5	22	4	8	0	1	2	2	4	1	5.96094	- 4	12
4	7	0	3	0	0	5	1	7.53596	- 3	23	4	8	1	0	2	2	3	2	1.18806	- 3	12
4	7	0	1	2	0	4	2	1.32941	- 2	24	4	8	0	3	0	2	5	0	4.40769	- 4	12
4	7	1	2	0	1	5	0	1.49306	- 2	24	4	8	1	2	0	2	4	1	2.42894	- 3	12
4	7	1	0	2	0	3	3	1.59928	- 4	25	4	8	2	1	0	3	4	0	1.89001	- 3	12
4	7	1	0	2	1	4	1	9.84130	- 5	25	4	8	3	0	0	3	3	1	2.40924	- 6	12
4	7	2	1	0	1	4	1	2.20281	- 4	25	4	8	0	0	3	1	3	3	9.38717	- 4	16
4	7	3	0	0	2	4	0	1.47144	- 5	26	4	8	0	2	1	1	4	2	2.94971	- 3	16
4	7	0	2	1	0	5	1	2.29465	- 2	27	4	8	0	2	1	2	5	0	1.04978	- 3	16
4	7	0	0	3	0	4	2	1.22445	- 4	28	4	8	1	1	1	2	4	1	2.23381	- 3	16
4	7	1	1	1	0	4	2	3.81577	- 4	28	4	8	2	0	1	2	3	2	2.06261	- 6	16
4	7	1	1	1	1	5	0	3.38974	- 4	28	4	8	2	0	1	3	4	0	6.20932	- 7	16
4	7	2	0	1	1	4	1	4.74218	- 5	29	4	8	0	1	2	1	4	2	1.33107	- 3	20
4	7	0	3	0	0	6	0	3.02275	- 2	30	4	8	1	0	2	1	3	3	1.76009	- 4	20
4	7	0	1	2	0	5	1	3.69742	- 4	31	4	8	1	0	2	2	4	1	2.06261	- 6	20
4	7	1	2	0	0	5	1	5.22172	- 4	31	4	8	0	3	0	1	5	1	1.04978	- 3	20
4	7	1	0	2	0	4	2	6.74698	- 5	32	4	8	1	2	0	2	5	0	1.99617	- 3	20
4	7	2	1	0	1	5	0	1.38685	- 4	32	4	8	2	1	0	2	4	1	3.30904	- 5	20
4	7	3	0	0	1	4	1	3.46882	- 7	33	4	8	3	0	0	3	4	0	1.14606	- 5	20
4	7	0	2	1	0	6	0	5.01276	- 4	34	4	8	0	0	3	0	3	4	1.64275	- 3	24
4	7	1	1	1	0	5	1	1.79288	- 4	35	4	8	0	0	3	1	4	2	1.46674	- 5	24
4	7	2	0	1	0	4	2	7.74526	- 7	36	4	8	0	2	1	1	5	1	7.98643	- 4	24
4	7	2	0	1	1	5	0	8.71959	- 7	36	4	8	1	1	1	1	4	2	5.96094	- 4	24
4	7	1	2	0	0	6	0	2.10626	- 4	38	4	8	1	1	1	2	5	0	1.22751	- 4	24
4	7	1	0	2	0	5	1	9.48794	- 7	39	4	8	2	0	1	2	4	1	1.16022	- 4	24
4	7	2	1	0	0	5	1	1.79545	- 6	39	4	8	0	1	2	0	4	3	3.77320	- 3	28
4	7	3	0	0	1	5	0	9.50876	- 8	40	4	8	0	1	2	1	5	1	1.99661	- 4	28

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X	n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X
4	8	1	0	2	1	4	2	5.39029 - 4	28	4	9	1	2	0	3	4	1	9.68228 - 4	5
4	8	0	3	0	1	6	0	1.40233 - 4	28	4	9	0	3	0	3	5	0	2.15040 - 4	6
4	8	1	2	0	1	5	1	1.04979 - 3	28	4	9	2	0	1	3	3	2	7.95597 - 5	8
4	8	2	1	0	2	5	0	7.21206 - 4	28	4	9	2	0	1	4	4	0	2.10816 - 5	8
4	8	3	0	0	2	4	1	4.51465 - 6	28	4	9	0	0	3	2	3	3	9.90755 - 5	9
4	8	0	0	3	0	4	3	1.64275 - 3	32	4	9	1	1	1	3	4	1	2.73338 - 4	9
4	8	0	2	1	0	5	2	4.73648 - 3	32	4	9	0	2	1	2	4	2	6.88428 - 4	10
4	8	0	2	1	1	6	0	1.04979 - 3	32	4	9	0	2	1	3	5	0	2.55668 - 4	10
4	8	1	1	1	1	5	1	2.39593 - 3	32	4	9	3	0	0	4	4	0	5.61988 - 5	12
4	8	2	0	1	1	4	2	2.90484 - 5	32	4	9	1	0	2	2	3	3	5.06615 - 5	13
4	8	2	0	1	2	5	0	1.85828 - 5	32	4	9	1	0	2	3	4	1	5.17792 - 5	13
4	8	0	1	2	0	5	2	5.59050 - 3	36	4	9	2	1	0	3	4	1	2.51733 - 4	13
4	8	1	0	2	0	4	3	7.70041 - 5	36	4	9	0	1	2	2	4	2	1.63413 - 5	14
4	8	1	0	2	1	5	1	4.12522 - 5	36	4	9	1	2	0	3	5	0	2.83474 - 5	14
4	8	0	3	0	0	6	1	3.49958 - 3	36	4	9	0	3	0	2	5	1	1.38340 - 4	15
4	8	1	2	0	1	6	0	6.00858 - 3	36	4	9	2	0	1	3	4	1	2.60880 - 4	17
4	8	2	1	0	1	5	1	9.74777 - 5	36	4	9	0	0	3	1	3	4	1.38706 - 3	18
4	8	3	0	0	2	5	0	6.39570 - 6	36	4	9	0	0	3	2	4	2	5.43561 - 5	18
4	8	0	0	3	0	5	2	6.16033 - 5	40	4	9	1	1	1	2	4	2	1.08912 - 3	18
4	8	0	2	1	0	6	1	1.09175 - 2	40	4	9	1	1	1	3	5	0	3.72618 - 4	18
4	8	1	1	1	0	5	2	2.16574 - 4	40	4	9	0	2	1	2	5	1	3.43717 - 5	19
4	8	1	1	1	1	6	0	1.77617 - 4	40	4	9	3	0	0	3	4	1	3.12623 - 6	21
4	8	2	0	1	1	5	1	2.64014 - 5	40	4	9	1	0	2	2	4	2	5.66417 - 4	22
4	8	0	1	2	0	6	1	2.16574 - 4	44	4	9	2	1	0	3	5	0	8.91881 - 4	22
4	8	1	0	2	0	5	2	4.62025 - 5	44	4	9	0	1	2	1	4	3	2.27339 - 3	23
4	8	0	3	0	0	7	0	1.56158 - 2	44	4	9	0	1	2	2	5	1	2.69892 - 4	23
4	8	1	2	0	0	6	1	3.29836 - 4	44	4	9	1	2	0	2	5	1	1.16394 - 3	23
4	8	2	1	0	1	6	0	9.35926 - 5	44	4	9	0	3	0	2	6	0	1.32552 - 4	24
4	8	3	0	0	1	5	1	2.59975 - 7	44	4	9	2	0	1	2	4	2	2.57293 - 6	26
4	8	0	2	1	0	7	0	3.31842 - 4	48	4	9	2	0	1	3	5	0	5.00967 - 6	26
4	8	1	1	1	0	6	1	1.41495 - 4	48	4	9	0	0	3	1	4	3	6.24176 - 4	27
4	8	2	0	1	0	5	2	7.21914 - 7	48	4	9	1	1	1	2	5	1	1.45125 - 3	27
4	8	2	0	1	1	6	0	7.75628 - 7	48	4	9	0	2	1	1	5	2	1.87276 - 3	28
4	8	1	0	2	0	6	1	9.62552 - 7	52	4	9	0	2	1	2	6	0	6.30808 - 4	28
4	8	1	2	0	0	7	0	1.85185 - 4	52	4	9	3	0	0	3	5	0	2.02772 - 7	30
4	8	2	1	0	0	6	1	1.90630 - 6	52	4	9	1	0	2	1	4	3	1.94252 - 5	31
4	8	3	0	0	1	6	0	1.11904 - 7	52	4	9	1	0	2	2	5	1	1.82422 - 6	31
4	8	1	1	1	0	7	0	2.08839 - 6	56	4	9	2	1	0	2	5	1	1.07711 - 7	31
4	8	2	0	1	0	6	1	2.40638 - 7	56	4	9	0	1	2	1	5	2	1.18208 - 3	32
4	8	2	1	0	0	7	0	4.65699 - 7	60	4	9	1	2	0	2	6	0	1.74378 - 3	32
4	8	3	0	0	0	6	1	1.25332 - 9	60	4	9	0	3	0	1	6	1	7.86244 - 4	33
4	8	2	0	1	0	7	0	2.14855 - 9	64	4	9	2	0	1	2	5	1	1.56984 - 5	35
4	8	3	0	0	0	7	0	1.79046 - 10	68	4	9	0	0	3	0	4	4	5.54823 - 4	36
4	9	0	0	3	2	2	4	1.78336 - 3	0	4	9	0	0	3	1	5	2	3.38637 - 7	36
4	9	0	0	3	3	3	2	1.02365 - 4	0	4	9	1	1	1	1	5	2	1.17762 - 4	36
4	9	1	1	1	3	3	2	1.74935 - 3	0	4	9	0	2	1	1	6	1	9.39984 - 6	36
4	9	1	1	1	4	4	0	6.82434 - 4	0	4	9	3	0	0	2	5	1	1.11543 - 6	39
4	9	0	2	1	3	4	1	4.18373 - 4	1	4	9	1	0	2	1	5	2	1.49013 - 4	40
4	9	3	0	0	4	3	1	2.84408 - 6	3	4	9	2	1	0	2	6	0	1.78728 - 4	40
4	9	1	0	2	3	3	2	3.43733 - 4	4	4	9	0	1	2	0	5	3	1.54278 - 3	41
4	9	2	1	0	4	4	0	5.71547 - 4	4	4	9	0	1	2	1	6	1	4.38544 - 5	41
4	9	0	1	2	2	3	3	1.57993 - 3	5	4	9	1	2	0	1	6	1	3.07526 - 4	41
4	9	0	1	2	3	4	1	2.32867 - 4	5	4	9	0	3	0	1	7	0	3.24993 - 4	42

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X		
4	9	2	0	1	1	5	2	1.09765	- 5	44	4	10	1	1	1	4	5	0	3.46495	- 4	10
4	9	2	0	1	2	6	0	6.42832	- 6	44	4	10	0	2	1	3	5	1	1.61865	- 4	12
4	9	0	0	3	0	5	3	6.93529	- 4	45	4	10	3	0	0	4	4	1	1.44873	- 7	12
4	9	1	1	1	1	6	1	8.79705	- 4	45	4	10	1	0	2	3	4	2	2.94453	- 4	14
4	9	0	2	1	0	6	2	2.24356	- 3	46	4	10	2	1	0	4	5	0	4.93113	- 4	14
4	9	0	2	1	1	7	0	4.10211	- 4	46	4	10	0	1	2	2	4	3	1.09998	- 3	16
4	9	3	0	0	2	6	0	2.77254	- 6	48	4	10	0	1	2	3	5	1	1.59380	- 4	16
4	9	1	0	2	0	5	3	4.01348	- 5	49	4	10	1	2	0	3	5	1	6.72021	- 4	16
4	9	1	0	2	1	6	1	1.85413	- 5	49	4	10	2	0	1	3	4	2	7.94721	- 6	18
4	9	2	1	0	1	6	1	4.56652	- 5	49	4	10	2	0	1	4	5	0	6.74462	- 7	18
4	9	0	1	2	0	6	2	2.72359	- 3	50	4	10	0	3	0	3	6	0	1.33317	- 4	18
4	9	1	2	0	1	7	0	2.74926	- 3	50	4	10	0	0	3	2	4	3	1.52616	- 4	20
4	9	0	3	0	0	7	1	1.85956	- 3	51	4	10	1	1	1	3	5	1	4.22310	- 4	20
4	9	2	0	1	1	6	1	1.46078	- 5	53	4	10	0	2	1	2	5	2	6.16875	- 4	22
4	9	0	0	3	0	6	2	3.38637	- 5	54	4	10	0	2	1	3	6	0	2.29591	- 4	22
4	9	1	1	1	0	6	2	1.29665	- 4	54	4	10	3	0	0	4	5	0	1.07949	- 5	22
4	9	1	1	1	1	7	0	9.84022	- 5	54	4	10	1	0	2	2	4	3	1.38499	- 4	24
4	9	0	2	1	0	7	1	5.92567	- 3	55	4	10	1	0	2	3	5	1	7.94721	- 6	24
4	9	3	0	0	1	6	1	1.77352	- 7	57	4	10	2	1	0	3	5	1	5.12151	- 5	24
4	9	1	0	2	0	6	2	3.13553	- 5	58	4	10	0	1	2	2	5	2	1.16762	- 4	26
4	9	2	1	0	1	7	0	6.18779	- 5	58	4	10	1	2	0	3	6	0	1.94713	- 4	26
4	9	0	1	2	0	7	1	1.35389	- 4	59	4	10	2	0	1	3	5	1	8.27117	- 5	28
4	9	1	2	0	0	7	1	2.17759	- 4	59	4	10	0	3	0	2	6	1	1.56830	- 4	28
4	9	0	3	0	0	8	0	9.15070	- 3	60	4	10	0	0	3	1	4	4	6.10462	- 4	30
4	9	2	0	1	0	6	2	6.04847	- 7	62	4	10	0	0	3	2	5	2	1.61200	- 5	30
4	9	2	0	1	1	7	0	6.20463	- 7	62	4	10	1	1	1	2	5	2	4.08725	- 4	30
4	9	1	1	1	0	7	1	1.08502	- 4	63	4	10	1	1	1	3	6	0	1.19964	- 4	30
4	9	0	2	1	0	8	0	2.30735	- 4	64	4	10	0	2	1	2	6	1	7.02310	- 6	32
4	9	3	0	0	1	7	0	1.08412	- 7	66	4	10	3	0	0	3	5	1	1.82112	- 6	32
4	9	1	0	2	0	7	1	8.74868	- 7	67	4	10	1	0	2	2	5	2	2.60984	- 4	34
4	9	2	1	0	0	7	1	1.79128	- 6	67	4	10	2	1	0	3	6	0	3.98147	- 4	34
4	9	1	2	0	0	8	0	1.56401	- 4	68	4	10	0	1	2	1	5	3	1.23142	- 3	36
4	9	2	0	1	0	7	1	2.70021	- 7	71	4	10	0	1	2	2	6	1	1.21507	- 4	36
4	9	1	1	1	0	8	0	2.13486	- 6	72	4	10	1	2	0	2	6	1	5.62706	- 4	36
4	9	3	0	0	0	7	1	1.73625	- 9	75	4	10	2	0	1	2	5	2	4.51005	- 6	38
4	9	2	1	0	0	8	0	5.83471	- 7	76	4	10	2	0	1	3	6	0	4.77884	- 6	38
4	9	2	0	1	0	8	0	3.29616	- 9	80	4	10	0	3	0	2	7	0	2.57970	- 5	38
4	9	3	0	0	0	8	0	3.39111	- 10	84	4	10	0	0	3	1	5	3	3.90696	- 4	40
											4	10	1	1	1	2	6	1	8.62464	- 4	40
4	10	0	0	3	3	3	3	0.00000		0	4	10	0	2	1	1	6	2	1.19753	- 3	42
4	10	1	1	1	4	4	1	0.00000		0	4	10	0	2	1	2	7	0	3.75771	- 4	42
4	10	0	2	1	3	4	2	1.59380	- 4	2	4	10	3	0	0	3	6	0	2.31166	- 7	42
4	10	0	2	1	4	5	0	5.47795	- 5	2	4	10	1	0	2	1	5	3	7.32555	- 7	44
4	10	3	0	0	5	4	0	7.53648	- 5	2	4	10	1	0	2	2	6	1	4.32692	- 6	44
4	10	1	0	2	3	3	3	5.76887	- 4	4	4	10	2	1	0	2	6	1	5.33656	- 6	44
4	10	1	0	2	4	4	1	7.88869	- 5	4	4	10	0	1	2	1	6	2	9.08253	- 4	46
4	10	2	1	0	4	4	1	3.46495	- 4	4	4	10	1	2	0	2	7	0	1.30482	- 3	46
4	10	0	1	2	3	4	2	5.40831	- 5	6	4	10	2	0	1	2	6	1	1.09198	- 6	48
4	10	1	2	0	4	5	0	9.05719	- 5	6	4	10	0	3	0	1	7	1	5.76516	- 4	48
4	10	2	0	1	4	4	1	2.29118	- 4	8	4	10	0	0	3	0	5	4	2.19766	- 4	50
4	10	0	3	0	3	5	1	1.60028	- 5	8	4	10	0	0	3	1	6	2	5.72308	- 7	50
4	10	0	0	3	2	3	4	9.15693	- 4	10	4	10	1	1	1	1	6	2	1.93855	- 5	50
4	10	0	0	3	3	4	2	5.00770	- 5	10	4	10	1	1	1	2	7	0	1.66688	- 7	50
4	10	1	1	1	3	4	2	9.08777	- 4	10	4	10	0	2	1	1	7	1	9.34477	- 4	52

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X	n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X		
4	10	3	0	0	2	6	1	2.61628	-7	52	4	11	0	1	2	3	4	3	5.08152	-4	7
4	10	1	0	2	1	6	2	4.29231	-5	54	4	11	0	1	2	4	5	1	7.53721	-5	7
4	10	2	1	0	2	7	0	4.25528	-5	54	4	11	1	2	0	4	5	1	3.23624	-4	7
4	10	0	1	2	0	6	3	7.14515	-4	56	4	11	2	0	1	4	4	2	3.52219	-5	8
4	10	0	1	2	1	7	1	7.61354	-6	56	4	11	2	0	1	5	5	0	9.73848	-6	8
4	10	1	2	0	1	7	1	9.11590	-5	56	4	11	0	3	0	4	6	0	6.88422	-5	10
4	10	2	0	1	1	6	2	4.34056	-6	58	4	11	0	0	3	3	4	3	2.03315	-5	11
4	10	2	0	1	2	7	0	2.26878	-6	58	4	11	1	1	1	4	5	1	6.09157	-5	11
4	10	0	3	0	1	8	0	4.06553	-4	58	4	11	3	0	0	5	5	0	2.37583	-5	12
4	10	0	0	3	0	6	3	3.29650	-4	60	4	11	0	2	1	3	5	2	1.95016	-4	14
4	10	1	1	1	1	7	1	3.47498	-4	60	4	11	0	2	1	4	6	0	7.19776	-5	14
4	10	0	2	1	0	7	2	1.17791	-3	62	4	11	1	0	2	3	4	3	2.17041	-4	15
4	10	0	2	1	1	8	0	1.72191	-4	62	4	11	1	0	2	4	5	1	2.44318	-5	15
4	10	3	0	0	2	7	0	1.20779	-6	62	4	11	2	1	0	4	5	1	1.17705	-4	15
4	10	1	0	2	0	6	3	2.22513	-5	64	4	11	0	1	2	3	5	2	1.70721	-7	18
4	10	1	0	2	1	7	1	8.75816	-6	64	4	11	1	2	0	4	6	0	1.96770	-7	18
4	10	2	1	0	1	7	1	2.23299	-5	64	4	11	2	0	1	4	5	1	1.07609	-4	19
4	10	0	1	2	0	7	2	1.46367	-3	66	4	11	0	3	0	3	6	1	2.92731	-5	21
4	10	1	2	0	1	8	0	1.36752	-3	66	4	11	0	0	3	2	4	4	4.87957	-4	22
4	10	2	0	1	1	7	1	8.15949	-6	68	4	11	0	0	3	3	5	2	2.28968	-5	22
4	10	0	3	0	0	8	1	1.08039	-3	68	4	11	1	1	1	3	5	2	4.57419	-4	22
4	10	0	0	3	0	7	2	1.98673	-5	70	4	11	1	1	1	4	6	0	1.64338	-4	22
4	10	1	1	1	0	7	2	8.10664	-5	70	4	11	3	0	0	4	5	1	7.18176	-7	23
4	10	1	1	1	1	8	0	5.69249	-5	70	4	11	0	2	1	3	6	1	4.43147	-5	25
4	10	0	2	1	0	8	1	3.50656	-3	72	4	11	1	0	2	3	5	2	1.96671	-4	26
4	10	3	0	0	1	7	1	1.16268	-7	72	4	11	2	1	0	4	6	0	3.25915	-4	26
4	10	1	0	2	0	7	2	2.14567	-5	74	4	11	0	1	2	2	5	3	7.37002	-4	29
4	10	2	1	0	1	8	0	4.09219	-5	74	4	11	0	1	2	3	6	1	9.95193	-5	29
4	10	0	1	2	0	8	1	8.88326	-5	76	4	11	1	2	0	3	6	1	4.31520	-4	29
4	10	1	2	0	0	8	1	1.48897	-4	76	4	11	2	0	1	3	5	2	1.25371	-7	30
4	10	2	0	1	0	7	2	4.82775	-7	78	4	11	2	0	1	4	6	0	3.34255	-7	30
4	10	2	0	1	1	8	0	4.72769	-7	78	4	11	0	3	0	3	7	0	7.10843	-5	32
4	10	0	3	0	0	9	0	5.81628	-3	78	4	11	0	0	3	2	5	3	1.46387	-4	33
4	10	1	1	1	0	8	1	8.26796	-5	80	4	11	1	1	1	3	6	1	3.96614	-4	33
4	10	0	2	1	0	9	0	1.66410	-4	82	4	11	3	0	0	4	6	0	1.64974	-6	34
4	10	3	0	0	1	8	0	9.51029	-8	82	4	11	0	2	1	2	6	2	5.01916	-4	36
4	10	1	0	2	0	8	1	7.54335	-7	84	4	11	0	2	1	3	7	0	1.82589	-4	36
4	10	2	1	0	0	8	1	1.58413	-6	84	4	11	1	0	2	2	5	3	3.83359	-5	37
4	10	1	2	0	0	9	0	1.30081	-4	86	4	11	1	0	2	3	6	1	4.92343	-7	37
4	10	2	0	1	0	8	1	2.71561	-7	88	4	11	2	1	0	3	6	1	7.74910	-6	37
4	10	1	1	1	0	9	0	2.04236	-6	90	4	11	0	1	2	2	6	2	1.78743	-4	40
4	10	3	0	0	0	8	1	2.03671	-9	92	4	11	1	2	0	3	7	0	2.92893	-4	40
4	10	2	1	0	0	9	0	6.47729	-7	94	4	11	2	0	1	3	6	1	2.53029	-5	41
4	10	2	0	1	0	9	0	4.24314	-9	98	4	11	0	3	0	2	7	1	1.52334	-4	43
4	10	3	0	0	0	9	0	5.09176	-10	102	4	11	0	0	3	1	5	4	2.92774	-4	44
4	11	0	0	3	3	3	4	5.69283	-4	0	4	11	0	0	3	2	6	2	4.28869	-6	44
4	11	0	0	3	4	4	2	3.36996	-5	0	4	11	1	1	1	2	6	2	1.56313	-4	44
4	11	1	1	1	4	4	2	6.09814	-4	0	4	11	1	1	1	3	7	0	3.62417	-5	44
4	11	1	1	1	5	5	0	2.37984	-4	0	4	11	3	0	0	3	6	1	8.66177	-7	45
4	11	3	0	0	5	4	1	1.05945	-6	1	4	11	0	2	1	2	7	1	5.41370	-5	47
4	11	0	2	1	4	5	1	1.44303	-4	3	4	11	1	0	2	2	6	2	1.20520	-4	48
4	11	1	0	2	4	4	2	1.08655	-4	4	4	11	2	1	0	3	7	0	1.74889	-4	48
4	11	1	0	2	4	4	2	1.08655	-4	4	4	11	0	1	2	1	6	3	6.99044	-4	51
4	11	2	1	0	5	5	0	1.86626	-4	4	4	11	0	1	2	2	7	1	5.45707	-5	51

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X	n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X		
4	11	1	2	0	2	7	1	2.76369	-4	51	4	11	1	1	1	0	9	1	6.31856	-5	99
4	11	2	0	1	2	6	2	3.77974	-6	52	4	11	3	0	0	1	9	0	7.90104	-8	100
4	11	2	0	1	3	7	0	3.21834	-6	52	4	11	0	2	1	0	10	0	1.23507	-4	102
4	11	0	3	0	2	8	0	6.25726	-7	54	4	11	1	0	2	0	9	1	6.33451	-7	103
4	11	0	0	3	1	6	3	2.43979	-4	55	4	11	2	1	0	0	9	1	1.35703	-6	103
4	11	1	1	1	2	7	1	5.00893	-4	55	4	11	1	2	0	0	10	0	1.07706	-4	106
4	11	3	0	0	3	7	0	5.09602	-7	56	4	11	2	0	1	0	9	1	2.56521	-7	107
4	11	0	2	1	1	7	2	7.81533	-4	58	4	11	1	1	1	0	10	0	1.88290	-6	110
4	11	0	2	1	2	8	0	2.25794	-4	58	4	11	3	0	0	0	9	1	2.16418	-9	111
4	11	1	0	2	1	6	3	3.78066	-7	59	4	11	2	1	0	0	10	0	6.69197	-7	114
4	11	1	0	2	2	7	1	4.42229	-6	59	4	11	2	0	1	0	10	0	4.90998	-9	118
4	11	2	1	0	2	7	1	7.75428	-6	59	4	11	3	0	0	0	10	0	6.62779	-10	122
4	11	0	1	2	1	7	2	6.66950	-4	62											
4	11	1	2	0	2	8	0	9.26378	-4	62	4	12	0	0	3	4	4	3	0.00000		0
4	11	2	0	1	2	7	1	5.15846	-8	63	4	12	1	1	1	5	5	1	0.00000		0
4	11	0	3	0	1	8	1	4.23237	-4	65	4	12	0	3	0	5	6	0	2.95745	-5	0
4	11	0	0	3	0	6	4	9.75914	-5	66	4	12	3	0	0	6	5	0	2.95745	-5	0
4	11	0	0	3	1	7	2	1.66782	-6	66	4	12	1	0	2	4	4	3	2.33914	-4	4
4	11	1	1	1	1	7	2	1.36586	-6	66	4	12	1	0	2	5	5	1	3.22706	-5	4
4	11	1	1	1	2	8	0	3.62363	-6	66	4	12	0	2	1	4	5	2	6.01493	-5	4
4	11	3	0	0	2	7	1	5.07483	-8	67	4	12	0	2	1	5	6	0	2.03892	-5	4
4	11	0	2	1	1	8	1	8.02484	-4	69	4	12	2	1	0	5	5	1	1.44620	-4	4
4	11	1	0	2	1	7	2	1.19504	-5	70	4	12	0	1	2	4	5	2	2.67330	-5	8
4	11	2	1	0	2	8	0	8.24012	-6	70	4	12	2	0	1	5	5	1	9.24199	-5	8
4	11	0	1	2	0	7	3	3.62301	-4	73	4	12	1	2	0	5	6	0	4.60198	-5	8
4	11	0	1	2	1	8	1	4.47996	-7	73	4	12	0	0	3	3	4	4	3.50871	-4	12
4	11	1	2	0	1	8	1	2.49033	-5	73	4	12	0	0	3	4	5	2	2.00498	-5	12
4	11	2	0	1	1	7	2	1.75932	-6	74	4	12	1	1	1	4	5	2	3.76490	-4	12
4	11	2	0	1	2	8	0	7.90492	-7	74	4	12	1	1	1	5	6	0	1.44620	-4	12
4	11	0	3	0	1	9	0	4.19101	-4	76	4	12	0	3	0	4	6	1	4.64803	-6	12
4	11	0	0	3	0	7	3	1.70785	-4	77	4	12	3	0	0	5	5	1	7.07223	-9	12
4	11	1	1	1	1	8	1	1.42824	-4	77	4	12	1	0	2	4	5	2	1.06932	-4	16
4	11	3	0	0	2	8	0	5.26396	-7	78	4	12	0	2	1	4	6	1	7.42584	-5	16
4	11	0	2	1	0	8	2	6.66473	-4	80	4	12	2	1	0	5	6	0	1.84079	-4	16
4	11	0	2	1	1	9	0	7.50817	-5	80	4	12	0	1	2	3	5	3	4.04337	-4	20
4	11	1	0	2	0	7	3	1.29677	-5	81	4	12	0	1	2	4	6	1	6.01493	-5	20
4	11	1	0	2	1	8	1	4.28588	-6	81	4	12	2	0	1	4	5	2	6.68326	-6	20
4	11	2	1	0	1	8	1	1.12738	-5	81	4	12	2	0	1	5	6	0	1.03962	-6	20
4	11	0	1	2	0	8	2	8.44558	-4	84	4	12	1	2	0	4	6	1	2.58777	-4	20
4	11	1	2	0	1	9	0	7.21336	-4	84	4	12	0	0	3	3	5	3	4.00996	-5	24
4	11	2	0	1	1	8	1	4.62027	-6	85	4	12	1	1	1	4	6	1	1.19804	-4	24
4	11	0	3	0	0	9	1	6.69432	-4	87	4	12	0	3	0	4	7	0	5.23062	-5	24
4	11	0	0	3	0	8	2	1.22585	-5	88	4	12	3	0	0	5	6	0	6.94336	-6	24
4	11	1	1	1	0	8	2	5.25390	-5	88	4	12	1	0	2	3	5	3	8.35407	-5	28
4	11	1	1	1	1	9	0	3.40922	-5	88	4	12	1	0	2	4	6	1	6.68326	-6	28
4	11	3	0	0	1	8	1	7.49981	-8	89	4	12	0	2	1	3	6	2	1.96414	-4	28
4	11	0	2	1	0	9	1	2.20750	-3	91	4	12	0	2	1	4	7	0	7.38553	-5	28
4	11	1	0	2	0	8	2	1.48926	-5	92	4	12	2	1	0	4	6	1	3.76518	-5	28
4	11	2	1	0	1	9	0	2.72847	-5	92	4	12	0	1	2	3	6	2	1.33665	-5	32
4	11	0	1	2	0	9	1	6.05329	-5	95	4	12	2	0	1	4	6	1	4.75254	-5	32
4	11	1	2	0	0	9	1	1.04791	-4	95	4	12	1	2	0	4	7	0	2.37910	-5	32
4	11	2	0	1	0	8	2	3.76929	-7	96	4	12	0	0	3	2	5	4	2.70672	-4	36
4	11	2	0	1	1	9	0	3.52195	-7	96	4	12	0	0	3	3	6	2	1.00249	-5	36
4	11	0	3	0	0	10	0	3.91500	-3	98	4	12	1	1	1	3	6	2	2.28840	-4	36

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X	n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X		
4	12	1	1	1	4	7	0	7.50293	- 5	36	4	12	3	0	0	2	8	1	5.30417	- 9	84
4	12	0	3	0	3	7	1	3.80019	- 5	36	4	12	1	0	2	1	8	2	2.86425	- 6	88
4	12	3	0	0	4	6	1	6.87578	- 7	36	4	12	0	2	1	1	9	1	6.62067	- 4	88
4	12	1	0	2	3	6	2	1.20299	- 4	40	4	12	2	1	0	2	9	0	7.55157	- 7	88
4	12	0	2	1	3	7	1	5.13444	- 6	40	4	12	0	1	2	0	8	3	1.96917	- 4	92
4	12	2	1	0	4	7	0	1.94882	- 4	40	4	12	0	1	2	1	9	1	2.38688	- 7	92
4	12	0	1	2	2	6	3	4.91220	- 4	44	4	12	2	0	1	1	8	2	7.16063	- 7	92
4	12	0	1	2	3	7	1	5.96720	- 5	44	4	12	2	0	1	2	9	0	2.59905	- 7	92
4	12	2	0	1	3	6	2	3.71292	- 7	44	4	12	1	2	0	1	9	1	5.23443	- 6	92
4	12	2	0	1	4	7	0	1.03962	- 6	44	4	12	0	0	3	0	8	3	9.45204	- 5	96
4	12	1	2	0	3	7	1	2.68717	- 4	44	4	12	1	1	1	1	9	1	5.94421	- 5	96
4	12	0	0	3	2	6	3	1.20299	- 4	48	4	12	0	3	0	1	10	0	3.97240	- 4	96
4	12	1	1	1	3	7	1	3.14021	- 4	48	4	12	3	0	0	2	9	0	2.27097	- 7	96
4	12	0	3	0	3	8	0	3.30234	- 5	48	4	12	1	0	2	0	8	3	7.87670	- 6	100
4	12	3	0	0	4	7	0	1.13156	- 7	48	4	12	1	0	2	1	9	1	2.14819	- 6	100
4	12	1	0	2	2	6	3	1.00249	- 5	52	4	12	0	2	1	0	9	2	3.99378	- 4	100
4	12	1	0	2	3	7	1	9.54751	- 8	52	4	12	0	2	1	1	10	0	3.31033	- 5	100
4	12	0	2	1	2	7	2	3.92116	- 4	52	4	12	2	1	0	1	9	1	5.82379	- 6	100
4	12	0	2	1	3	8	0	1.37489	- 4	52	4	12	0	1	2	0	9	2	5.14611	- 4	104
4	12	2	1	0	3	7	1	3.30430	- 7	52	4	12	2	0	1	1	9	1	2.65209	- 6	104
4	12	0	1	2	2	7	2	1.93624	- 4	56	4	12	1	2	0	1	10	0	3.97240	- 4	104
4	12	2	0	1	3	7	1	7.17124	- 6	56	4	12	0	0	3	0	9	2	7.87670	- 6	108
4	12	1	2	0	3	8	0	3.10896	- 4	56	4	12	1	1	1	0	9	2	3.51048	- 5	108
4	12	0	0	3	1	6	4	1.50373	- 4	60	4	12	1	1	1	1	10	0	2.10063	- 5	108
4	12	0	0	3	2	7	2	8.59276	- 7	60	4	12	0	3	0	0	10	1	4.35652	- 4	108
4	12	1	1	1	2	7	2	5.96720	- 5	60	4	12	3	0	0	1	9	1	4.81305	- 8	108
4	12	1	1	1	3	8	0	9.42198	- 6	60	4	12	1	0	2	0	9	2	1.05023	- 5	112
4	12	0	3	0	2	8	1	1.37489	- 4	60	4	12	0	2	1	0	10	1	1.45655	- 3	112
4	12	3	0	0	3	7	1	3.77579	- 7	60	4	12	2	1	0	1	10	0	1.83949	- 5	112
4	12	1	0	2	2	7	2	5.61394	- 5	64	4	12	0	1	2	0	10	1	4.25342	- 5	116
4	12	0	2	1	2	8	1	9.68118	- 5	64	4	12	2	0	1	0	9	2	2.91730	- 7	116
4	12	2	1	0	3	8	0	7.60037	- 5	64	4	12	2	0	1	1	10	0	2.59905	- 7	116
4	12	0	1	2	1	7	3	4.13885	- 4	68	4	12	1	2	0	0	10	1	7.55666	- 5	116
4	12	0	1	2	2	8	1	2.42030	- 5	68	4	12	1	1	1	0	10	1	4.86216	- 5	120
4	12	2	0	1	2	7	2	2.57783	- 6	68	4	12	0	3	0	0	11	0	2.75082	- 3	120
4	12	2	0	1	3	8	0	1.91481	- 6	68	4	12	3	0	0	1	10	0	6.36501	- 8	120
4	12	1	2	0	2	8	1	1.37489	- 4	68	4	12	1	0	2	0	10	1	5.25113	- 7	124
4	12	0	0	3	1	7	3	1.54670	- 4	72	4	12	0	2	1	0	11	0	9.38255	- 5	124
4	12	1	1	1	2	8	1	2.90435	- 4	72	4	12	2	1	0	0	10	1	1.14315	- 6	124
4	12	0	3	0	2	9	0	4.18755	- 6	72	4	12	2	0	1	0	10	1	2.33384	- 7	128
4	12	3	0	0	3	8	0	4.91127	- 7	72	4	12	1	2	0	0	11	0	8.92429	- 5	128
4	12	1	0	2	1	7	3	1.43213	- 6	76	4	12	1	1	1	0	11	0	1.69910	- 6	132
4	12	1	0	2	2	8	1	3.58032	- 6	76	4	12	3	0	0	0	10	1	2.16096	- 9	132
4	12	0	2	1	1	8	2	5.22010	- 4	76	4	12	2	1	0	0	11	0	6.60861	- 7	136
4	12	0	2	1	2	9	0	1.37489	- 4	76	4	12	2	0	1	0	11	0	5.30417	- 9	140
4	12	2	1	0	2	8	1	7.26141	- 6	76	4	12	3	0	0	0	11	0	7.85804	-10	144
4	12	0	1	2	1	8	2	4.84059	- 4	80											
4	12	2	0	1	2	8	1	5.72851	- 7	80	4	13	0	0	3	4	4	4	2.42580	- 4	0
4	12	1	2	0	2	9	0	6.46440	- 4	80	4	13	0	0	3	5	5	2	1.45981	- 5	0
4	12	0	0	3	0	7	4	4.72602	- 5	84	4	13	1	1	1	5	5	2	2.72863	- 4	0
4	12	0	0	3	1	8	2	2.14819	- 6	84	4	13	1	1	1	6	6	0	1.06512	- 4	0
4	12	1	1	1	1	8	2	2.38688	- 7	84	4	13	0	3	0	5	6	1	4.48527	- 7	1
4	12	1	1	1	2	9	0	6.15461	- 6	84	4	13	1	0	2	5	5	2	4.60542	- 5	4
4	12	0	3	0	1	9	1	3.13560	- 4	84	4	13	2	1	0	6	6	0	8.05716	- 5	4

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X	n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X		
4	13	0	2	1	5	6	1	6.43773	-5	5	4	13	2	0	1	4	8	0	1.15348	-6	60
4	13	2	0	1	5	5	2	1.77267	-5	8	4	13	0	1	2	2	7	3	3.29920	-4	61
4	13	2	0	1	6	6	0	4.99866	-6	8	4	13	0	1	2	3	8	1	3.50446	-5	61
4	13	0	1	2	4	5	3	2.15584	-4	9	4	13	1	2	0	3	8	1	1.65419	-4	61
4	13	0	1	2	5	6	1	3.19871	-5	9	4	13	3	0	0	4	8	0	1.00590	-8	64
4	13	1	2	0	5	6	1	1.40014	-4	9	4	13	0	0	3	2	7	3	9.28241	-5	65
4	13	3	0	0	6	6	0	1.16964	-5	12	4	13	1	1	1	3	8	1	2.30694	-4	65
4	13	0	0	3	4	5	3	6.06451	-6	13	4	13	0	3	0	3	9	0	1.27146	-5	66
4	13	1	1	1	5	6	1	1.90322	-5	13	4	13	1	0	2	2	7	3	2.17917	-6	69
4	13	0	3	0	5	7	0	2.87050	-5	14	4	13	1	0	2	3	8	1	5.83855	-7	69
4	13	1	0	2	4	5	3	1.08522	-4	17	4	13	2	1	0	3	8	1	2.71713	-7	69
4	13	1	0	2	5	6	1	1.28696	-5	17	4	13	0	2	1	2	8	2	3.01361	-4	70
4	13	2	1	0	5	6	1	6.17841	-5	17	4	13	0	2	1	3	9	0	1.00902	-4	70
4	13	0	2	1	4	6	2	7.46503	-5	18	4	13	2	0	1	3	8	1	1.70890	-6	73
4	13	0	2	1	5	7	0	2.72402	-5	18	4	13	0	1	2	2	8	2	1.82376	-4	74
4	13	2	0	1	5	6	1	5.22523	-5	21	4	13	1	2	0	3	9	0	2.85987	-4	74
4	13	0	1	2	4	6	2	2.05465	-6	22	4	13	3	0	0	3	8	1	1.54992	-7	77
4	13	1	2	0	5	7	0	3.36278	-6	22	4	13	0	0	3	1	7	4	8.16852	-5	78
4	13	3	0	0	5	6	1	2.07508	-7	25	4	13	0	0	3	2	8	2	6.12784	-8	78
4	13	0	0	3	3	5	4	2.18322	-4	26	4	13	1	1	1	2	8	2	2.20807	-5	78
4	13	0	0	3	4	6	2	1.12136	-5	26	4	13	1	1	1	3	9	0	1.66294	-6	78
4	13	1	1	1	4	6	2	2.24415	-4	26	4	13	0	3	0	2	9	1	1.19473	-4	79
4	13	1	1	1	5	7	0	8.27105	-5	26	4	13	1	0	2	2	8	2	2.62899	-5	82
4	13	0	3	0	4	7	1	8.77776	-6	27	4	13	2	1	0	3	9	0	3.24220	-5	82
4	13	1	0	2	4	6	2	8.42629	-5	30	4	13	0	2	1	2	9	1	1.21274	-4	83
4	13	2	1	0	5	7	0	1.43700	-4	30	4	13	2	0	1	2	8	2	1.61869	-6	86
4	13	0	2	1	4	7	1	3.14291	-5	31	4	13	2	0	1	3	9	0	1.07574	-6	86
4	13	2	0	1	4	6	2	7.99165	-7	34	4	13	0	1	2	1	8	3	2.54266	-4	87
4	13	2	0	1	5	7	0	1.76150	-10	34	4	13	0	1	2	2	9	1	1.03989	-5	87
4	13	0	1	2	3	6	3	3.07743	-4	35	4	13	1	2	0	2	9	1	6.88222	-5	87
4	13	0	1	2	4	7	1	4.40306	-5	35	4	13	3	0	0	3	9	0	3.70752	-7	90
4	13	1	2	0	4	7	1	1.92142	-4	35	4	13	0	0	3	1	8	3	1.00064	-4	91
4	13	3	0	0	5	7	0	1.81576	-6	38	4	13	1	1	1	2	9	1	1.69345	-4	91
4	13	0	0	3	3	6	3	4.67834	-5	39	4	13	0	3	0	2	10	0	1.52717	-5	92
4	13	1	1	1	4	7	1	1.37287	-4	39	4	13	1	0	2	1	8	3	1.90543	-6	95
4	13	0	3	0	4	8	0	3.54753	-5	40	4	13	1	0	2	2	9	1	2.63591	-6	95
4	13	1	0	2	3	6	3	3.24404	-5	43	4	13	2	1	0	2	9	1	5.80548	-6	95
4	13	1	0	2	4	7	1	1.41508	-6	43	4	13	0	2	1	1	9	2	3.56681	-4	96
4	13	2	1	0	4	7	1	1.08024	-5	43	4	13	0	2	1	2	10	0	8.48598	-5	96
4	13	0	2	1	3	7	2	1.79905	-4	44	4	13	2	0	1	2	9	1	8.83345	-7	99
4	13	0	2	1	4	8	0	6.73053	-5	44	4	13	0	1	2	1	9	2	3.51938	-4	100
4	13	2	0	1	4	7	1	2.02266	-5	47	4	13	1	2	0	2	10	0	4.49852	-4	100
4	13	0	1	2	3	7	2	3.49838	-5	48	4	13	3	0	0	2	9	1	6.22059	-11	103
4	13	1	2	0	4	8	0	6.06864	-5	48	4	13	0	0	3	0	8	4	2.45056	-5	104
4	13	3	0	0	4	7	1	4.67135	-7	51	4	13	0	0	3	1	9	2	2.17176	-6	104
4	13	0	0	3	2	6	4	1.55945	-4	52	4	13	1	1	1	1	9	2	1.76418	-6	104
4	13	0	0	3	3	7	2	4.18144	-6	52	4	13	1	1	1	2	10	0	6.86177	-6	104
4	13	1	1	1	3	7	2	1.14554	-4	52	4	13	0	3	0	1	10	1	2.35085	-4	105
4	13	1	1	1	4	8	0	3.30680	-5	52	4	13	1	0	2	1	9	2	4.36179	-7	108
4	13	0	3	0	3	8	1	4.20418	-5	53	4	13	2	1	0	2	10	0	5.51118	-8	108
4	13	1	0	2	3	7	2	7.10353	-5	56	4	13	0	2	1	1	10	1	5.37168	-4	109
4	13	2	1	0	4	8	0	1.11372	-4	56	4	13	2	0	1	1	9	2	2.85648	-7	112
4	13	0	2	1	3	8	1	6.29556	-7	57	4	13	2	0	1	2	10	0	7.43904	-8	112
4	13	2	0	1	3	7	2	8.65026	-7	60	4	13	0	1	2	0	9	3	1.13109	-4	113

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X	n'	n	n'_1	n'_2	m'	n_1	n_2	m	f	X		
4	13	0	1	2	1	10	1	1.27603	- 6	113	4	14	1	1	1	5	6	2	1.86052	- 4	14
4	13	1	2	0	1	10	1	4.18510	- 7	113	4	14	1	1	1	6	7	0	7.17878	- 5	14
4	13	3	0	0	2	10	0	9.53594	- 8	116	4	14	0	3	0	5	7	1	1.71399	- 6	16
4	13	0	0	3	0	9	3	5.51375	- 5	117	4	14	1	0	2	5	6	2	4.81484	- 5	18
4	13	1	1	1	1	10	1	2.43572	- 5	117	4	14	2	1	0	6	7	0	8.42639	- 5	18
4	13	0	3	0	1	11	0	3.61164	- 4	118	4	14	0	2	1	5	7	1	3.88725	- 5	20
4	13	1	0	2	0	9	3	4.95504	- 6	121	4	14	2	0	1	5	6	2	4.73189	- 6	22
4	13	1	0	2	1	10	1	1.09178	- 6	121	4	14	2	0	1	6	7	0	9.00245	- 7	22
4	13	2	1	0	1	10	1	3.05323	- 6	121	4	14	0	1	2	4	6	3	1.83928	- 4	24
4	13	0	2	1	0	10	2	2.50526	- 4	122	4	14	0	1	2	5	7	1	2.76597	- 5	24
4	13	0	2	1	1	11	0	1.43561	- 5	122	4	14	1	2	0	5	7	1	1.20598	- 4	24
4	13	2	0	1	1	10	1	1.54050	- 6	125	4	14	3	0	0	6	7	0	4.35479	- 6	26
4	13	0	1	2	0	10	2	3.27482	- 4	126	4	14	0	0	3	4	6	3	1.38083	- 5	28
4	13	1	2	0	1	11	0	2.25941	- 4	126	4	14	1	1	1	5	7	1	4.31380	- 5	28
4	13	3	0	0	1	10	1	3.08934	- 8	129	4	14	0	3	0	5	8	0	2.42488	- 5	30
4	13	0	0	3	0	10	2	5.23376	- 6	130	4	14	1	0	2	4	6	3	5.07770	- 5	32
4	13	1	1	1	0	10	2	2.40800	- 5	130	4	14	1	0	2	5	7	1	4.73189	- 6	32
4	13	1	1	1	1	11	0	1.32527	- 5	130	4	14	2	1	0	5	7	1	2.52702	- 5	32
4	13	0	3	0	0	11	1	2.94763	- 4	131	4	14	0	2	1	4	7	2	7.94749	- 5	34
4	13	1	0	2	0	10	2	7.52546	- 6	134	4	14	0	2	1	5	8	0	2.98273	- 5	34
4	13	2	1	0	1	11	0	1.25499	- 5	134	4	14	2	0	1	5	7	1	2.78254	- 5	36
4	13	0	2	1	0	11	1	9.97468	- 4	135	4	14	0	1	2	4	7	2	1.21014	- 6	38
4	13	2	0	1	0	10	2	2.25430	- 7	138	4	14	1	2	0	5	8	0	2.32594	- 6	38
4	13	2	0	1	1	11	0	1.91328	- 7	138	4	14	3	0	0	5	7	1	2.81300	- 7	40
4	13	0	1	2	0	11	1	3.06612	- 5	139	4	14	0	0	3	3	6	4	1.38082	- 4	42
4	13	1	2	0	0	11	1	5.56442	- 5	139	4	14	0	0	3	4	7	2	6.02790	- 6	42
4	13	3	0	0	1	11	0	5.03889	- 8	142	4	14	1	1	1	4	7	2	1.31766	- 4	42
4	13	1	1	1	0	11	1	3.77368	- 5	143	4	14	1	1	1	5	8	0	4.56135	- 5	42
4	13	0	3	0	0	12	0	1.99881	- 3	144	4	14	0	3	0	4	8	1	1.22244	- 5	44
4	13	1	0	2	0	11	1	4.32928	- 7	147	4	14	1	0	2	4	7	2	6.03129	- 5	46
4	13	2	1	0	0	11	1	9.54993	- 7	147	4	14	2	1	0	5	8	0	1.01071	- 4	46
4	13	0	2	1	0	12	0	7.26780	- 5	148	4	14	0	2	1	4	8	1	9.89568	- 6	48
4	13	2	0	1	0	11	1	2.07498	- 7	151	4	14	2	0	1	4	7	2	2.36880	- 9	50
4	13	1	2	0	0	12	0	7.41913	- 5	152	4	14	2	0	1	5	8	0	1.94056	- 7	50
4	13	3	0	0	0	11	1	2.07191	- 9	155	4	14	0	1	2	3	7	3	2.29855	- 4	52
4	13	1	1	1	0	12	0	1.51422	- 6	156	4	14	0	1	2	4	8	1	3.07721	- 5	52
4	13	2	1	0	0	12	0	6.33718	- 7	160	4	14	1	2	0	4	8	1	1.37310	- 4	52
4	13	2	0	1	0	12	0	5.47114	- 9	164	4	14	3	0	0	5	8	0	3.78177	- 7	54
4	13	3	0	0	0	12	0	8.74087	-10	168	4	14	0	0	3	3	7	3	4.50882	- 5	56
4	14	0	0	3	5	5	3	0.00000		0	4	14	1	1	1	4	8	1	1.28586	- 4	56
4	14	1	1	1	6	6	1	0.00000		0	4	14	0	3	0	4	9	0	2.20348	- 5	58
4	14	0	3	0	6	7	0	1.40141	- 5	2	4	14	1	0	2	3	7	3	1.24654	- 5	60
4	14	1	0	2	5	5	3	1.14129	- 4	4	4	14	1	0	2	4	8	1	1.37994	- 7	60
4	14	1	0	2	6	6	1	1.58273	- 5	4	4	14	2	1	0	4	8	1	2.45173	- 6	60
4	14	2	1	0	6	6	1	7.17878	- 5	4	4	14	0	2	1	3	8	2	1.56618	- 4	62
4	14	0	2	1	5	6	2	2.76597	- 5	6	4	14	0	2	1	4	9	0	5.75209	- 5	62
4	14	0	2	1	6	7	0	9.26174	- 6	6	4	14	2	0	1	4	8	1	8.29231	- 6	64
4	14	2	0	1	6	6	1	4.49541	- 5	8	4	14	0	1	2	3	8	2	4.98366	- 5	66
4	14	0	1	2	5	6	2	1.48606	- 5	10	4	14	1	2	0	4	9	0	8.48565	- 5	66
4	14	1	2	0	6	7	0	2.60074	- 5	10	4	14	3	0	0	4	8	1	2.76364	- 7	68
4	14	3	0	0	6	6	1	6.31890	-11	12	4	14	0	0	3	2	7	4	9.29943	- 5	70
4	14	0	0	3	4	5	4	1.65699	- 4	14	4	14	1	1	1	3	8	2	1.61815	- 6	70
4	14	0	0	3	5	6	2	9.70893	- 6	14	4	14	1	1	1	4	9	0	5.73232	- 5	70
											4	14	1	1	1	4	9	0	1.38904	- 5	70

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X	n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X		
4	14	0	3	0	3	9	1	4.26104	- 5	72	4	14	2	1	0	2	11	0	6.93766	- 7	130
4	14	1	0	2	3	8	2	4.13448	- 5	74	4	14	0	2	1	1	11	1	4.33372	- 4	132
4	14	2	1	0	4	9	0	6.21412	- 5	74	4	14	2	0	1	1	10	2	1.07876	- 7	134
4	14	0	2	1	3	9	1	8.23733	- 6	76	4	14	2	0	1	2	11	0	1.51622	- 8	134
4	14	2	0	1	3	8	2	9.50190	- 7	78	4	14	0	1	2	0	10	3	6.79764	- 5	136
4	14	2	0	1	4	9	0	9.61462	- 7	78	4	14	0	1	2	1	11	1	2.17050	- 6	136
4	14	0	1	2	2	8	3	2.24450	- 4	80	4	14	1	2	0	1	11	1	1.30018	- 7	136
4	14	0	1	2	3	9	1	2.03048	- 5	80	4	14	3	0	0	2	11	0	3.79386	- 8	138
4	14	1	2	0	3	9	1	1.01482	- 4	80	4	14	0	0	3	0	10	3	3.35813	- 5	140
4	14	3	0	0	4	9	0	8.13917	- 8	82	4	14	1	1	1	1	11	1	9.46725	- 6	140
4	14	0	0	3	2	8	3	6.97458	- 5	84	4	14	0	3	0	1	12	0	3.21262	- 4	142
4	14	1	1	1	3	9	1	1.63477	- 4	84	4	14	1	0	2	0	10	3	3.21250	- 6	144
4	14	0	3	0	3	10	0	3.39995	- 6	86	4	14	1	0	2	1	11	1	5.57062	- 7	144
4	14	1	0	2	2	8	3	2.66884	- 7	88	4	14	2	1	0	1	11	1	1.61167	- 6	144
4	14	1	0	2	3	9	1	8.77486	- 7	88	4	14	0	2	1	0	11	2	1.63158	- 4	146
4	14	2	1	0	3	9	1	1.06654	- 6	88	4	14	0	2	1	1	12	0	5.90641	- 6	146
4	14	0	2	1	2	9	2	2.30543	- 4	90	4	14	2	0	1	1	11	1	9.03149	- 7	148
4	14	0	2	1	3	10	0	7.31949	- 5	90	4	14	0	1	2	0	11	2	2.15959	- 4	150
4	14	2	0	1	3	9	1	2.57325	- 7	92	4	14	1	2	0	1	12	0	1.31663	- 4	150
4	14	0	1	2	2	9	2	1.60488	- 4	94	4	14	3	0	0	1	11	1	1.98792	- 8	152
4	14	1	2	0	3	10	0	2.45067	- 4	94	4	14	0	0	3	0	11	2	3.57755	- 6	154
4	14	3	0	0	3	9	1	5.95122	- 8	96	4	14	1	1	1	0	11	2	1.69002	- 5	154
4	14	0	0	3	1	8	4	4.64972	- 5	98	4	14	1	1	1	1	12	0	8.52816	- 6	154
4	14	0	0	3	2	9	2	2.42173	- 8	98	4	14	0	3	0	0	12	1	2.05879	- 4	156
4	14	1	1	1	2	9	2	7.55557	- 6	98	4	14	1	0	2	0	11	2	5.47585	- 6	158
4	14	1	1	1	3	10	0	4.61356	- 8	98	4	14	2	1	0	1	12	0	8.66322	- 6	158
4	14	0	3	0	2	10	1	1.01753	- 4	100	4	14	0	2	1	0	12	1	7.04130	- 4	160
4	14	1	0	2	2	9	2	1.22782	- 5	102	4	14	2	0	1	0	11	2	1.74612	- 7	162
4	14	2	1	0	3	10	0	1.33377	- 5	102	4	14	2	0	1	1	12	0	1.41042	- 7	162
4	14	0	2	1	2	10	1	1.30290	- 4	104	4	14	0	1	2	0	12	1	2.25884	- 5	164
4	14	2	0	1	2	9	2	9.77670	- 7	106	4	14	1	2	0	0	12	1	4.17283	- 5	164
4	14	2	0	1	3	10	0	5.84497	- 7	106	4	14	3	0	0	1	12	0	3.95129	- 8	166
4	14	0	1	2	1	9	3	1.61333	- 4	108	4	14	1	1	1	0	12	1	2.95584	- 5	168
4	14	0	1	2	2	10	1	4.19098	- 6	108	4	14	0	3	0	0	13	0	1.49229	- 3	170
4	14	1	2	0	2	10	1	3.43514	- 5	108	4	14	1	0	2	0	12	1	3.56500	- 7	172
4	14	3	0	0	3	10	0	2.51360	- 7	110	4	14	2	1	0	0	12	1	7.95138	- 7	172
4	14	0	0	3	1	9	3	6.61293	- 5	112	4	14	0	2	1	0	13	0	5.72389	- 5	174
4	14	1	1	1	2	10	1	9.94561	- 5	112	4	14	2	0	1	0	12	1	1.81888	- 7	176
4	14	0	3	0	2	11	0	2.61083	- 5	114	4	14	1	2	0	0	13	0	6.19648	- 5	178
4	14	1	0	2	1	9	3	1.91366	- 6	116	4	14	3	0	0	0	12	1	1.93333	- 9	180
4	14	1	0	2	2	10	1	1.85574	- 6	116	4	14	1	1	1	0	13	0	1.33992	- 6	182
4	14	2	1	0	2	10	1	4.31826	- 6	116	4	14	2	1	0	0	13	0	5.95896	- 7	186
4	14	0	2	1	1	10	2	2.48939	- 4	118	4	14	2	0	1	0	13	0	5.46538	- 9	190
4	14	0	2	1	2	11	0	5.30150	- 5	118	4	14	3	0	0	0	13	0	9.29487	-10	194
4	14	2	0	1	2	10	1	9.21586	- 7	120											
4	14	0	1	2	1	10	2	2.57813	- 4	122	4	15	0	0	3	5	5	4	1.22297	- 4	0
4	14	1	2	0	2	11	0	3.14198	- 4	122	4	15	0	0	3	6	6	2	7.43272	- 6	0
4	14	3	0	0	2	10	1	2.42129	- 9	124	4	15	1	1	1	6	6	2	1.41758	- 4	0
4	14	0	0	3	0	9	4	1.34325	- 5	126	4	15	1	1	1	7	7	0	5.53441	- 5	0
4	14	0	0	3	1	10	2	1.97774	- 6	126	4	15	0	3	0	6	7	1	2.13364	- 7	3
4	14	1	1	1	1	10	2	2.98660	- 6	126	4	15	1	0	2	6	6	2	2.31435	- 5	4
4	14	1	1	1	2	11	0	6.49857	- 6	126	4	15	2	1	0	7	7	0	4.09558	- 5	4
4	14	0	3	0	1	11	1	1.78480	- 4	128	4	15	0	2	1	6	7	1	3.34128	- 5	7
4	14	1	0	2	1	10	2	2.47116	- 9	130	4	15	2	0	1	6	6	2	9.85500	- 6	8

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X	n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X		
4	15	2	0	1	7	7	0	2.80981	- 6	8	4	15	0	1	2	4	9	1	2.09331	- 5	71
4	15	0	1	2	5	6	3	1.07804	- 4	11	4	15	1	2	0	4	9	1	9.61422	- 5	71
4	15	0	1	2	6	7	1	1.59673	- 5	11	4	15	3	0	0	5	9	0	4.14404	- 8	72
4	15	1	2	0	6	7	1	7.07837	- 5	11	4	15	0	0	3	3	8	3	3.97199	- 5	75
4	15	3	0	0	7	7	0	6.42128	- 6	12	4	15	1	1	1	4	9	1	1.09209	- 4	75
4	15	0	0	3	5	6	3	2.26476	- 6	15	4	15	0	3	0	4	10	0	1.25600	- 5	78
4	15	1	1	1	6	7	1	7.31438	- 6	15	4	15	1	0	2	3	8	3	4.60884	- 6	79
4	15	0	3	0	6	8	0	1.40510	- 5	18	4	15	1	0	2	4	9	1	9.91728	- 9	79
4	15	1	0	2	5	6	3	6.04710	- 5	19	4	15	2	1	0	4	9	1	2.82511	- 7	79
4	15	1	0	2	6	7	1	7.40947	- 6	19	4	15	0	2	1	3	9	2	1.32539	- 4	82
4	15	2	1	0	6	7	1	3.54958	- 5	19	4	15	0	2	1	4	10	0	4.73724	- 5	82
4	15	0	2	1	5	7	2	3.43120	- 5	22	4	15	2	0	1	4	9	1	3.22166	- 6	83
4	15	0	2	1	6	8	0	1.23667	- 5	22	4	15	0	1	2	3	9	2	5.66662	- 5	86
4	15	2	0	1	6	7	1	2.84478	- 5	23	4	15	1	2	0	4	10	0	9.46677	- 5	86
4	15	0	1	2	5	7	2	2.56262	- 6	26	4	15	3	0	0	4	9	1	1.51925	- 7	87
4	15	1	2	0	6	8	0	4.36983	- 6	26	4	15	0	0	3	2	8	4	5.71967	- 5	90
4	15	3	0	0	6	7	1	7.00587	- 8	27	4	15	0	0	3	3	9	2	5.47184	- 7	90
4	15	0	0	3	4	6	4	1.13238	- 4	30	4	15	1	1	1	3	9	2	2.85269	- 5	90
4	15	0	0	3	5	7	2	6.13093	- 6	30	4	15	1	1	1	4	10	0	5.39638	- 6	90
4	15	1	1	1	5	7	2	1.22952	- 4	30	4	15	0	3	0	3	10	1	4.09906	- 5	93
4	15	1	1	1	6	8	0	4.60106	- 5	30	4	15	1	0	2	3	9	2	2.39215	- 5	94
4	15	0	3	0	5	8	1	3.27382	- 6	33	4	15	2	1	0	4	10	0	3.41207	- 5	94
4	15	1	0	2	5	7	2	4.16550	- 5	34	4	15	0	2	1	3	10	1	1.80003	- 5	97
4	15	2	1	0	6	8	0	7.23122	- 5	34	4	15	2	0	1	3	9	2	8.20987	- 7	98
4	15	0	2	1	5	8	1	2.05983	- 5	37	4	15	2	0	1	4	10	0	7.07240	- 7	98
4	15	2	0	1	5	7	2	1.00881	- 6	38	4	15	0	1	2	2	9	3	1.54962	- 4	101
4	15	2	0	1	6	8	0	5.57028	- 8	38	4	15	0	1	2	3	10	1	1.16186	- 5	101
4	15	0	1	2	4	7	3	1.50649	- 4	41	4	15	1	2	0	3	10	1	6.22331	- 5	101
4	15	0	1	2	5	8	1	2.21929	- 5	41	4	15	3	0	0	4	10	0	1.19947	- 7	102
4	15	1	2	0	5	8	1	9.74052	- 5	41	4	15	0	0	3	2	9	3	5.19007	- 5	105
4	15	3	0	0	6	8	0	1.50991	- 6	42	4	15	1	1	1	3	10	1	1.13808	- 4	105
4	15	0	0	3	4	7	3	1.81990	- 5	45	4	15	0	3	0	3	11	0	2.55820	- 7	108
4	15	1	1	1	5	8	1	5.60044	- 5	45	4	15	1	0	2	2	9	3	8.82656	-10	109
4	15	0	3	0	5	9	0	1.87122	- 5	48	4	15	1	0	2	3	10	1	9.33733	- 7	109
4	15	1	0	2	4	7	3	2.38625	- 5	49	4	15	2	1	0	3	10	1	1.52279	- 6	109
4	15	1	0	2	5	8	1	1.53122	- 6	49	4	15	0	2	1	2	10	2	1.76615	- 4	112
4	15	2	1	0	5	8	1	9.73102	- 6	49	4	15	0	2	1	3	11	0	5.28658	- 5	112
4	15	0	2	1	4	8	2	7.77094	- 5	52	4	15	2	0	1	3	10	1	1.94589	- 9	113
4	15	0	2	1	5	9	0	2.93375	- 5	52	4	15	0	1	2	2	10	2	1.36260	- 4	116
4	15	2	0	1	5	8	1	1.42964	- 5	53	4	15	1	2	0	3	11	0	2.02123	- 4	116
4	15	0	1	2	4	8	2	7.59057	- 6	56	4	15	3	0	0	3	10	1	2.06490	- 8	117
4	15	1	2	0	5	9	0	1.37064	- 5	56	4	15	0	0	3	1	9	4	2.75392	- 5	120
4	15	3	0	0	5	8	1	2.42446	- 7	57	4	15	0	0	3	2	10	2	1.53004	- 7	120
4	15	0	0	3	3	7	4	8.89727	- 5	60	4	15	1	1	1	2	10	2	2.17723	- 6	120
4	15	0	0	3	4	8	2	3.13147	- 6	60	4	15	1	1	1	3	11	0	1.82859	- 7	120
4	15	1	1	1	4	8	2	7.68656	- 5	60	4	15	0	3	0	2	11	1	8.57723	- 5	123
4	15	1	1	1	5	9	0	2.44630	- 5	60	4	15	1	0	2	2	10	2	5.65035	- 6	124
4	15	0	3	0	4	9	1	1.45836	- 5	63	4	15	2	1	0	3	11	0	5.12658	- 6	124
4	15	1	0	2	4	8	2	4.11738	- 5	64	4	15	0	2	1	2	11	1	1.29145	- 4	127
4	15	2	1	0	5	9	0	6.73563	- 5	64	4	15	2	0	1	2	10	2	5.78260	- 7	128
4	15	0	2	1	4	9	1	1.48388	- 6	67	4	15	2	0	1	3	11	0	3.09443	- 7	128
4	15	2	0	1	4	8	2	1.27085	- 7	68	4	15	0	1	2	1	10	3	1.05310	- 4	131
4	15	2	0	1	5	9	0	3.78601	- 7	68	4	15	0	1	2	2	11	1	1.49152	- 6	131
4	15	0	1	2	3	8	3	1.70638	- 4	71	4	15	1	2	0	2	11	1	1.68956	- 5	131

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X	n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X		
4	15	3	0	0	3	11	0	1.60945	-7	132	4	15	2	1	0	13	1	6.61816	-7	199	
4	15	0	0	3	1	10	3	4.46134	-5	135	4	15	0	2	1	0	14	0	4.57320	-5	202
4	15	1	1	1	2	11	1	5.87857	-5	135	4	15	2	0	1	0	13	1	1.58083	-7	203
4	15	0	3	0	2	12	0	3.43617	-5	138	4	15	1	2	0	0	14	0	5.20255	-5	206
4	15	1	0	2	1	10	3	1.70789	-6	139	4	15	3	0	0	0	13	1	1.77112	-9	207
4	15	1	0	2	2	11	1	1.27750	-6	139	4	15	1	1	1	0	14	0	1.18131	-6	210
4	15	2	1	0	2	11	1	3.09642	-6	139	4	15	2	1	0	0	14	0	5.52970	-7	214
4	15	0	2	1	1	11	2	1.77156	-4	142	4	15	2	0	1	0	14	0	5.33707	-9	218
4	15	0	2	1	2	12	0	3.34540	-5	142	4	15	3	0	0	0	14	0	9.56720	-10	222
4	15	2	0	1	2	11	1	8.20990	-7	143											
4	15	0	1	2	1	11	2	1.90754	-4	146	4	16	0	0	3	6	6	3	0.00000	0	0
4	15	1	2	0	2	12	0	2.20888	-4	146	4	16	1	1	1	7	7	1	0.00000	0	0
4	15	3	0	0	2	11	1	4.70358	-9	147	4	16	1	0	2	6	6	3	6.27389	-5	4
4	15	0	0	3	0	10	4	7.71096	-6	150	4	16	1	0	2	7	7	1	8.72955	-6	4
4	15	0	0	3	1	11	2	1.70990	-6	150	4	16	0	3	0	7	8	0	7.50916	-6	4
4	15	1	1	1	1	11	2	3.55919	-6	150	4	16	2	1	0	7	7	1	3.99032	-5	4
4	15	1	1	1	2	12	0	5.68497	-6	150	4	16	0	2	1	6	7	2	1.44749	-5	8
4	15	0	3	0	1	12	1	1.37192	-4	153	4	16	0	2	1	7	8	0	4.79569	-6	8
4	15	1	0	2	1	11	2	9.66381	-8	154	4	16	2	0	1	7	7	1	2.46633	-5	8
4	15	2	1	0	2	12	0	1.29881	-6	154	4	16	0	1	2	6	7	2	8.96271	-6	12
4	15	0	2	1	1	12	1	3.49621	-4	157	4	16	1	2	0	7	8	0	1.58536	-5	12
4	15	2	0	1	1	11	2	3.62967	-8	158	4	16	3	0	0	7	7	1	1.44364	-9	12
4	15	2	0	1	2	12	0	8.12625	-10	158	4	16	0	0	3	5	6	4	8.92287	-5	16
4	15	0	1	2	0	11	3	4.24280	-5	161	4	16	0	0	3	6	7	2	5.31123	-6	16
4	15	0	1	2	1	12	1	2.69448	-6	161	4	16	1	1	1	6	7	2	1.03118	-4	16
4	15	1	2	0	1	12	1	9.56346	-7	161	4	16	1	1	1	7	8	0	3.99032	-5	16
4	15	3	0	0	2	12	0	1.36315	-8	162	4	16	1	0	2	6	7	2	2.48964	-5	20
4	15	0	0	3	0	11	3	2.12052	-5	165	4	16	0	3	0	6	8	1	7.42037	-7	20
4	15	1	1	1	1	12	1	3.27704	-6	165	4	16	2	1	0	7	8	0	4.40378	-5	20
4	15	0	3	0	1	13	0	2.82492	-4	168	4	16	0	2	1	6	8	1	2.23214	-5	24
4	15	1	0	2	0	11	3	2.13819	-6	169	4	16	2	0	1	6	7	2	3.27154	-6	24
4	15	1	0	2	1	12	1	2.82225	-7	169	4	16	2	0	1	7	8	0	6.89705	-7	24
4	15	2	1	0	1	12	1	8.49281	-7	169	4	16	0	1	2	5	7	3	9.58677	-5	28
4	15	0	2	1	0	12	2	1.09651	-4	172	4	16	0	1	2	6	8	1	1.44749	-5	28
4	15	0	2	1	1	13	0	2.17000	-6	172	4	16	1	2	0	6	8	1	6.37172	-5	28
4	15	2	0	1	1	12	1	5.32765	-7	173	4	16	3	0	0	7	8	0	2.80417	-6	28
4	15	0	1	2	0	12	2	1.46736	-4	176	4	16	0	0	3	5	7	3	5.66532	-6	32
4	15	1	2	0	1	13	0	7.80986	-5	176	4	16	1	1	1	6	8	1	1.82084	-5	32
4	15	3	0	0	1	12	1	1.28327	-8	177	4	16	1	0	2	5	7	3	3.21330	-5	36
4	15	0	0	3	0	12	2	2.50569	-6	180	4	16	1	0	2	6	8	1	3.27154	-6	36
4	15	1	1	1	0	12	2	1.21030	-5	180	4	16	0	3	0	6	9	0	1.26324	-5	36
4	15	1	1	1	1	13	0	5.58003	-6	180	4	16	2	1	0	6	8	1	1.69767	-5	36
4	15	0	3	0	0	13	1	1.47668	-4	183	4	16	0	2	1	5	8	2	3.75963	-5	40
4	15	1	0	2	0	12	2	4.04251	-6	184	4	16	0	2	1	6	9	0	1.40161	-5	40
4	15	2	1	0	1	13	0	6.04716	-6	184	4	16	2	0	1	6	8	1	1.70737	-5	40
4	15	0	2	1	0	13	1	5.09821	-4	187	4	16	0	1	2	5	8	2	4.14941	-9	44
4	15	2	0	1	0	12	2	1.35873	-7	188	4	16	1	2	0	6	9	0	1.84663	-8	44
4	15	2	0	1	1	13	0	1.04337	-7	188	4	16	3	0	0	6	8	1	1.25250	-7	44
4	15	0	1	2	0	13	1	1.69568	-5	191	4	16	0	0	3	4	7	4	7.78981	-5	48
4	15	1	2	0	0	13	1	3.17998	-5	191	4	16	0	0	3	5	8	2	3.73999	-6	48
4	15	3	0	0	1	13	0	3.08409	-8	192	4	16	1	1	1	5	8	2	7.99177	-5	48
4	15	1	1	1	0	13	1	2.33665	-5	195	4	16	1	1	1	6	9	0	2.85557	-5	48
4	15	0	3	0	0	14	0	1.13941	-3	198	4	16	1	0	2	5	8	2	3.28674	-5	52
4	15	1	0	2	0	13	1	2.93956	-7	199	4	16	0	3	0	5	9	1	4.74663	-6	52

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X	n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X		
4	16	2	1	0	6	9	0	5.62617	- 5	52	4	16	2	0	1	3	10	2	6.35849	- 7	120
4	16	0	2	1	5	9	1	9.29914	- 6	56	4	16	2	0	1	4	11	0	4.87040	- 7	120
4	16	2	0	1	5	8	2	1.11661	- 7	56	4	16	0	1	2	2	10	3	1.08614	- 4	124
4	16	2	0	1	6	9	0	2.12760	- 8	56	4	16	0	1	2	3	11	1	6.54716	- 6	124
4	16	0	1	2	4	8	3	1.20727	- 4	60	4	16	1	2	0	3	11	1	3.81653	- 5	124
4	16	0	1	2	5	9	1	1.70305	- 5	60	4	16	3	0	0	4	11	0	1.20798	- 7	124
4	16	1	2	0	5	9	1	7.57682	- 5	60	4	16	0	0	3	2	10	3	3.85781	- 5	128
4	16	3	0	0	6	9	0	4.67455	- 7	60	4	16	1	1	1	3	11	1	7.85659	- 5	128
4	16	0	0	3	4	8	3	1.94745	- 5	64	4	16	1	0	2	2	10	3	1.13022	- 7	132
4	16	1	1	1	5	9	1	5.85817	- 5	64	4	16	1	0	2	3	11	1	8.56555	- 7	132
4	16	1	0	2	4	8	3	1.11826	- 5	68	4	16	0	3	0	3	12	0	2.73906	- 7	132
4	16	1	0	2	5	9	1	3.85450	- 7	68	4	16	2	1	0	3	11	1	1.61674	- 6	132
4	16	0	3	0	5	10	0	1.34950	- 5	68	4	16	0	2	1	2	11	2	1.35925	- 4	136
4	16	2	1	0	5	9	1	3.39045	- 6	68	4	16	0	2	1	3	12	0	3.81653	- 5	136
4	16	0	2	1	4	9	2	7.22104	- 5	72	4	16	2	0	1	3	11	1	4.74217	- 8	136
4	16	0	2	1	5	10	0	2.70715	- 5	72	4	16	0	1	2	2	11	2	1.13484	- 4	140
4	16	2	0	1	5	9	1	7.13997	- 6	72	4	16	1	2	0	3	12	0	1.63184	- 4	140
4	16	0	1	2	4	9	2	1.43777	- 5	76	4	16	3	0	0	3	11	1	5.94532	- 9	140
4	16	1	2	0	5	10	0	2.54165	- 5	76	4	16	0	0	3	1	10	4	1.68779	- 5	144
4	16	3	0	0	5	9	1	1.74972	- 7	76	4	16	0	0	3	2	11	2	2.73992	- 7	144
4	16	0	0	3	3	8	4	5.84236	- 5	80	4	16	1	1	1	2	11	2	4.06975	- 7	144
4	16	0	0	3	4	9	2	1.56492	- 6	80	4	16	1	1	1	3	12	0	6.42095	- 7	144
4	16	1	1	1	4	9	2	4.46872	- 5	80	4	16	1	0	2	2	11	2	2.51730	- 6	148
4	16	1	1	1	5	10	0	1.27570	- 5	80	4	16	0	3	0	2	12	1	7.19659	- 5	148
4	16	1	0	2	4	9	2	2.74186	- 5	84	4	16	2	1	0	3	12	0	1.73228	- 6	148
4	16	0	3	0	4	10	1	1.58887	- 5	84	4	16	0	2	1	2	12	1	1.22183	- 4	152
4	16	2	1	0	5	10	0	4.35267	- 5	84	4	16	2	0	1	2	11	2	3.37340	- 7	152
4	16	0	2	1	4	10	1	6.42627	- 8	88	4	16	2	0	1	3	12	0	1.59425	- 7	152
4	16	2	0	1	4	9	2	2.81323	- 7	88	4	16	0	1	2	1	11	3	7.04845	- 5	156
4	16	2	0	1	5	10	0	4.23967	- 7	88	4	16	0	1	2	2	12	1	4.06975	- 7	156
4	16	0	1	2	3	9	3	1.26758	- 4	92	4	16	1	2	0	2	12	1	8.05473	- 6	156
4	16	0	1	2	4	10	1	1.39975	- 5	92	4	16	3	0	0	3	12	0	9.94626	- 8	156
4	16	1	2	0	4	10	1	6.65824	- 5	92	4	16	0	0	3	1	11	3	3.06871	- 5	160
4	16	3	0	0	5	10	0	4.74834	-10	92	4	16	1	1	1	2	12	1	3.48957	- 5	160
4	16	0	0	3	3	9	3	3.33849	- 5	96	4	16	1	0	2	1	11	3	1.43846	- 6	164
4	16	1	1	1	4	10	1	8.79289	- 5	96	4	16	1	0	2	2	12	1	8.69337	- 7	164
4	16	1	0	2	3	9	3	1.56492	- 6	100	4	16	0	3	0	2	13	0	3.97645	- 5	164
4	16	1	0	2	4	10	1	1.30546	- 7	100	4	16	2	1	0	2	12	1	2.17706	- 6	164
4	16	0	3	0	4	11	0	6.44850	- 6	100	4	16	0	2	1	1	12	2	1.28325	- 4	168
4	16	2	1	0	4	10	1	6.67413	- 9	100	4	16	0	2	1	2	13	0	2.12716	- 5	168
4	16	0	2	1	3	10	2	1.10408	- 4	104	4	16	2	0	1	2	12	1	6.75632	- 7	168
4	16	0	2	1	4	11	0	3.81653	- 5	104	4	16	0	1	2	1	12	2	1.42677	- 4	172
4	16	2	0	1	4	10	1	1.14354	- 6	104	4	16	1	2	0	2	13	0	1.56485	- 4	172
4	16	0	1	2	3	10	2	5.76150	- 5	108	4	16	3	0	0	2	12	1	5.73049	- 9	172
4	16	1	2	0	4	11	0	9.43154	- 5	108	4	16	0	0	3	0	11	4	4.60307	- 6	176
4	16	3	0	0	4	10	1	7.94605	- 8	108	4	16	0	0	3	1	12	2	1.43846	- 6	176
4	16	0	0	3	2	9	4	3.61670	- 5	112	4	16	1	1	1	1	12	2	3.65374	- 6	176
4	16	0	0	3	3	10	2	1.39104	- 7	112	4	16	1	1	1	2	13	0	4.76443	- 6	176
4	16	1	1	1	3	10	2	1.39975	- 5	112	4	16	1	0	2	1	12	2	2.69711	- 7	180
4	16	1	1	1	4	11	0	1.82014	- 6	112	4	16	0	3	0	1	13	1	1.06706	- 4	180
4	16	1	0	2	3	10	2	1.37974	- 5	116	4	16	2	1	0	2	13	0	1.62864	- 6	180
4	16	0	3	0	3	11	1	3.81653	- 5	116	4	16	0	2	1	1	13	1	2.82886	- 4	184
4	16	2	1	0	4	11	0	1.84590	- 5	116	4	16	2	0	1	1	12	2	9.48203	- 9	184
4	16	0	2	1	3	11	1	2.61886	- 5	120	4	16	2	0	1	2	13	0	9.57320	-10	184

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X	n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X		
4	16	0	1	2	0	12	3	2.73487	- 5	188	4	17	1	2	0	7	8	1	3.97493	- 5	13
4	16	0	1	2	1	13	1	2.90631	- 6	188	4	17	0	0	3	6	7	3	9.83688	- 7	17
4	16	1	2	0	1	13	1	1.82043	- 6	188	4	17	1	1	1	7	8	1	3.23795	- 6	17
4	16	3	0	0	2	13	0	3.98924	- 9	188	4	17	1	0	2	6	7	3	3.64549	- 5	21
4	16	0	0	3	0	12	3	1.38092	- 5	192	4	17	1	0	2	7	8	1	4.56788	- 6	21
4	16	1	1	1	1	13	1	8.76561	- 7	192	4	17	2	1	0	7	8	1	2.18477	- 5	21
4	16	1	0	2	0	12	3	1.45644	- 6	196	4	17	0	3	0	7	9	0	7.67068	- 6	22
4	16	1	0	2	1	13	1	1.40042	- 7	196	4	17	2	0	1	7	8	1	1.68309	- 5	25
4	16	0	3	0	1	14	0	2.46980	- 4	196	4	17	0	2	1	6	8	2	1.78484	- 5	26
4	16	2	1	0	1	13	1	4.42293	- 7	196	4	17	0	2	1	7	9	0	6.35642	- 6	26
4	16	0	2	1	0	13	2	7.56929	- 5	200	4	17	3	0	0	7	8	1	2.63572	- 8	29
4	16	0	2	1	1	14	0	6.22886	- 7	200	4	17	0	1	2	6	8	2	2.32591	- 6	30
4	16	2	0	1	1	13	1	3.15095	- 7	200	4	17	1	2	0	7	9	0	4.04475	- 6	30
4	16	0	1	2	0	13	2	1.02279	- 4	204	4	17	0	0	3	5	7	4	6.49234	- 5	34
4	16	1	2	0	1	14	0	4.68939	- 5	204	4	17	0	0	3	6	8	2	3.63551	- 6	34
4	16	3	0	0	1	13	1	8.30817	- 9	204	4	17	1	1	1	6	8	2	7.30347	- 5	34
4	16	0	0	3	0	13	2	1.79254	- 6	208	4	17	1	1	1	7	9	0	2.76021	- 5	34
4	16	1	1	1	0	13	2	8.82441	- 6	208	4	17	1	0	2	6	8	2	2.28125	- 5	38
4	16	1	1	1	1	14	0	3.70239	- 6	208	4	17	2	1	0	7	9	0	4.00727	- 5	38
4	16	1	0	2	0	13	2	3.02491	- 6	212	4	17	0	3	0	6	9	1	1.41972	- 6	39
4	16	0	3	0	0	14	1	1.08337	- 4	212	4	17	2	0	1	6	8	2	9.47879	- 7	42
4	16	2	1	0	1	14	0	4.26487	- 6	212	4	17	2	0	1	7	9	0	9.93165	- 8	42
4	16	0	2	1	0	14	1	3.77184	- 4	216	4	17	0	2	1	6	9	1	1.35571	- 5	43
4	16	2	0	1	0	13	2	1.06345	- 7	216	4	17	3	0	0	7	9	0	1.16340	- 6	46
4	16	2	0	1	1	14	0	7.75429	- 8	216	4	17	0	1	2	5	8	3	8.22687	- 5	47
4	16	0	1	2	0	14	1	1.29402	- 5	220	4	17	0	1	2	6	9	1	1.23088	- 5	47
4	16	1	2	0	0	14	1	2.45829	- 5	220	4	17	1	2	0	6	9	1	5.42943	- 5	47
4	16	3	0	0	1	14	0	2.40344	- 8	220	4	17	0	0	3	5	8	3	8.11542	- 6	51
4	16	1	1	1	0	14	1	1.86379	- 5	224	4	17	1	1	1	6	9	1	2.57540	- 5	51
4	16	1	0	2	0	14	1	2.43073	- 7	228	4	17	1	0	2	5	8	3	1.71066	- 5	55
4	16	0	3	0	0	15	0	8.86608	- 4	228	4	17	1	0	2	6	9	1	1.33466	- 6	55
4	16	2	1	0	0	14	1	5.51682	- 7	228	4	17	2	1	0	6	9	1	7.80191	- 6	55
4	16	0	2	1	0	15	0	3.70019	- 5	232	4	17	0	3	0	6	10	0	1.05431	- 5	56
4	16	2	0	1	0	14	1	1.36729	- 7	232	4	17	2	0	1	6	9	1	9.91540	- 6	59
4	16	1	2	0	0	15	0	4.39205	- 5	236	4	17	0	2	1	5	9	2	3.82264	- 5	60
4	16	3	0	0	0	14	1	1.60229	- 9	236	4	17	0	2	1	6	10	0	1.44396	- 5	60
4	16	1	1	1	0	15	0	1.03990	- 6	240	4	17	3	0	0	6	9	1	1.28746	- 7	63
4	16	2	1	0	0	15	0	5.08567	- 7	244	4	17	0	1	2	5	9	2	1.58560	- 6	64
4	16	2	0	1	0	15	0	5.12733	- 9	248	4	17	1	2	0	6	10	0	2.97773	- 6	64
4	16	3	0	0	0	15	0	9.61374	-10	252	4	17	0	0	3	4	8	4	5.41028	- 5	68
											4	17	0	0	3	5	9	2	2.21950	- 6	68
4	17	0	0	3	6	6	4	6.88581	- 5	0	4	17	1	1	1	5	9	2	5.14809	- 5	68
4	17	0	0	3	7	7	2	4.21191	- 6	0	4	17	1	1	1	6	10	0	1.73062	- 5	68
4	17	1	1	1	7	7	2	8.14126	- 5	0	4	17	1	0	2	5	9	2	2.46638	- 5	72
4	17	1	1	1	8	8	0	3.17881	- 5	0	4	17	2	1	0	6	10	0	4.14319	- 5	72
4	17	1	0	2	7	7	2	1.30033	- 5	4	4	17	0	3	0	5	10	1	5.93861	- 6	73
4	17	2	1	0	8	8	0	2.31870	- 5	4	4	17	2	0	1	5	9	2	1.82549	- 9	76
4	17	0	3	0	7	8	1	1.11434	- 7	5	4	17	2	0	1	6	10	0	1.13826	- 7	76
4	17	2	0	1	7	7	2	5.90835	- 6	8	4	17	0	2	1	5	10	1	3.22664	- 6	77
4	17	2	0	1	8	8	0	1.69622	- 6	8	4	17	3	0	0	6	10	0	1.16253	- 7	80
4	17	0	2	1	7	8	1	1.91806	- 5	9	4	17	0	1	2	4	9	3	9.56750	- 5	81
4	17	3	0	0	8	8	0	3.81931	- 6	12	4	17	0	1	2	5	10	1	1.27063	- 5	81
4	17	0	1	2	6	7	3	6.01502	- 5	13	4	17	1	2	0	5	10	1	5.76088	- 5	81
4	17	0	1	2	7	8	1	8.88728	- 6	13	4	17	0	0	3	4	9	3	1.87857	- 5	85

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X	n'	n	n' ₁	n' ₂	m'	n ₁	n ₂	m	f	X		
4	17	1	1	1	5	10	1	5.49126	- 5	85	4	17	1	0	2	3	12	1	7.27227	- 7	157
4	17	1	0	2	4	9	3	5.17208	- 6	89	4	17	2	1	0	3	12	1	1.50022	- 6	157
4	17	1	0	2	5	10	1	4.83045	- 8	89	4	17	0	3	0	3	13	0	1.71129	- 6	158
4	17	2	1	0	5	10	1	9.76553	- 7	89	4	17	2	0	1	3	12	1	1.28420	- 7	161
4	17	0	3	0	5	11	0	9.18124	- 6	90	4	17	0	2	1	2	12	2	1.05265	- 4	162
4	17	2	0	1	5	10	1	3.46036	- 6	93	4	17	0	2	1	3	13	0	2.75960	- 5	162
4	17	0	2	1	4	10	2	6.50007	- 5	94	4	17	3	0	0	3	12	1	1.10453	- 9	165
4	17	0	2	1	5	11	0	2.39962	- 5	94	4	17	0	1	2	2	12	2	9.35743	- 5	166
4	17	3	0	0	5	10	1	1.15304	- 7	97	4	17	1	2	0	3	13	0	1.30195	- 4	166
4	17	0	1	2	4	10	2	1.93711	- 5	98	4	17	0	0	3	1	11	4	1.06566	- 5	170
4	17	1	2	0	5	11	0	3.36564	- 5	98	4	17	0	0	3	2	12	2	3.49878	- 7	170
4	17	0	0	3	3	9	4	3.90743	- 5	102	4	17	1	1	1	2	12	2	7.35099	- 9	170
4	17	0	0	3	4	10	2	7.41742	- 7	102	4	17	1	1	1	3	13	0	1.01287	- 6	170
4	17	1	1	1	4	10	2	2.58944	- 5	102	4	17	1	0	2	2	12	2	1.05567	- 6	174
4	17	1	1	1	5	11	0	6.42525	- 6	102	4	17	2	1	0	3	13	0	4.44926	- 7	174
4	17	1	0	2	4	10	2	1.80136	- 5	106	4	17	0	3	0	2	13	1	6.03060	- 5	175
4	17	2	1	0	5	11	0	2.75871	- 5	106	4	17	2	0	1	2	12	2	1.94434	- 7	178
4	17	0	3	0	4	11	1	1.63411	- 5	107	4	17	2	0	1	3	13	0	7.93016	- 8	178
4	17	2	0	1	4	10	2	3.40121	- 7	110	4	17	0	2	1	2	13	1	1.12352	- 4	179
4	17	2	0	1	5	11	0	3.84975	- 7	110	4	17	3	0	0	3	13	0	5.98886	- 8	182
4	17	0	2	1	4	11	1	1.83773	- 6	111	4	17	0	1	2	1	12	3	4.82370	- 5	183
4	17	3	0	0	5	11	0	1.93858	- 8	114	4	17	0	1	2	2	13	1	5.02868	- 8	183
4	17	0	1	2	3	10	3	9.45666	- 5	115	4	17	1	2	0	2	13	1	3.62878	- 6	183
4	17	0	1	2	4	11	1	9.24505	- 6	115	4	17	0	0	3	1	12	3	2.14908	- 5	187
4	17	1	2	0	4	11	1	4.58421	- 5	115	4	17	1	1	1	2	13	1	2.07411	- 5	187
4	17	0	0	3	3	10	3	2.73520	- 5	119	4	17	1	0	2	1	12	3	1.17548	- 6	191
4	17	1	1	1	4	11	1	6.86364	- 5	119	4	17	1	0	2	2	13	1	5.88001	- 7	191
4	17	1	0	2	3	10	3	4.43642	- 7	123	4	17	2	1	0	2	13	1	1.51406	- 6	191
4	17	1	0	2	4	11	1	2.46505	- 7	123	4	17	0	3	0	2	14	0	4.27399	- 5	192
4	17	2	1	0	4	11	1	1.89102	- 7	123	4	17	2	0	1	2	13	1	5.31914	- 7	195
4	17	0	3	0	4	12	0	2.83311	- 6	124	4	17	0	2	1	1	13	2	9.44633	- 5	196
4	17	2	0	1	4	11	1	3.42460	- 7	127	4	17	0	2	1	2	14	0	1.35928	- 5	196
4	17	0	2	1	3	11	2	9.12087	- 5	128	4	17	3	0	0	2	13	1	5.78263	- 9	199
4	17	0	2	1	4	12	0	3.03453	- 5	128	4	17	0	1	2	1	13	2	1.07894	- 4	200
4	17	3	0	0	4	11	1	3.97696	- 8	131	4	17	1	2	0	2	14	0	1.11742	- 4	200
4	17	0	1	2	3	11	2	5.49928	- 5	132	4	17	0	0	3	0	12	4	2.84176	- 6	204
4	17	1	2	0	4	12	0	8.80889	- 5	132	4	17	0	0	3	1	13	2	1.19280	- 6	204
4	17	0	0	3	2	10	4	2.34446	- 5	136	4	17	1	1	1	1	13	2	3.47262	- 6	204
4	17	0	0	3	3	11	2	1.45696	- 8	136	4	17	1	1	1	2	14	0	3.89675	- 6	204
4	17	1	1	1	3	11	2	6.68503	- 6	136	4	17	1	0	2	1	13	2	4.01677	- 7	208
4	17	1	1	1	4	12	0	4.54743	- 7	136	4	17	2	1	0	2	14	0	1.72422	- 6	208
4	17	1	0	2	3	11	2	7.93125	- 6	140	4	17	0	3	0	1	14	1	8.39199	- 5	209
4	17	2	1	0	4	12	0	9.80830	- 6	140	4	17	2	0	1	1	13	2	1.17114	- 9	212
4	17	0	3	0	3	12	1	3.47957	- 5	141	4	17	2	0	1	2	14	0	4.56640	- 9	212
4	17	2	0	1	3	11	2	4.64628	- 7	144	4	17	0	2	1	1	14	1	2.29926	- 4	213
4	17	2	0	1	4	12	0	3.22418	- 7	144	4	17	3	0	0	2	14	0	6.93471	-10	216
4	17	0	2	1	3	12	1	3.18393	- 5	145	4	17	0	1	2	0	13	3	1.81259	- 5	217
4	17	3	0	0	4	12	0	1.03413	- 7	148	4	17	0	1	2	1	14	1	2.90754	- 6	217
4	17	0	1	2	2	11	3	7.72607	- 5	149	4	17	1	2	0	1	14	1	2.44202	- 6	217
4	17	0	1	2	3	12	1	3.61091	- 6	149	4	17	0	0	3	0	13	3	9.23573	- 6	221
4	17	1	2	0	3	12	1	2.33794	- 5	149	4	17	1	1	1	1	14	1	1.07888	- 7	221
4	17	0	0	3	2	11	3	2.87729	- 5	153	4	17	1	0	2	0	13	3	1.01266	- 6	225
4	17	1	1	1	3	12	1	5.40483	- 5	153	4	17	1	0	2	1	14	1	6.67654	- 8	225
4	17	1	0	2	2	11	3	2.50974	- 7	157	4	17	2	1	0	1	14	1	2.24672	- 7	225

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X	n'	n	n ₁	n ₂	m'	n ₁	n ₂	m	f	X		
4	17	0	3	0	1	15	0	2.15434	- 4	226	4	18	3	0	0	8	9	0	1.86871	- 6	30
4	17	2	0	1	1	14	1	1.86075	- 7	229	4	18	0	1	2	6	8	3	5.49446	- 5	32
4	17	0	2	1	0	14	2	5.34758	- 5	230	4	18	0	1	2	7	9	1	8.30212	- 6	32
4	17	0	2	1	1	15	0	8.74853	- 8	230	4	18	1	2	0	7	9	1	3.68094	- 5	32
4	17	3	0	0	1	14	1	5.38973	- 9	233	4	18	0	0	3	6	8	3	2.63004	- 6	36
4	17	0	1	2	0	14	2	7.28843	- 5	234	4	18	1	1	1	7	9	1	8.61686	- 6	36
4	17	1	2	0	1	15	0	2.83562	- 5	234	4	18	1	0	2	6	8	3	2.11925	- 5	40
4	17	0	0	3	0	14	2	1.30651	- 6	238	4	18	1	0	2	7	9	1	2.28612	- 6	40
4	17	1	1	1	0	14	2	6.53812	- 6	238	4	18	2	1	0	7	9	1	1.16517	- 5	40
4	17	1	1	1	1	15	0	2.48530	- 6	238	4	18	0	3	0	7	10	0	7.17379	- 6	42
4	17	1	0	2	0	14	2	2.29204	- 6	242	4	18	2	0	1	7	9	1	1.09722	- 5	44
4	17	2	1	0	1	15	0	3.03638	- 6	242	4	18	0	2	1	6	9	2	1.98605	- 5	46
4	17	0	3	0	0	15	1	8.10462	- 5	243	4	18	0	2	1	7	10	0	7.34123	- 6	46
4	17	2	0	1	0	14	2	8.37703	- 8	246	4	18	3	0	0	7	9	1	5.99636	- 8	48
4	17	2	0	1	1	15	0	5.79277	- 8	246	4	18	0	1	2	6	9	2	1.42224	- 7	50
4	17	0	2	1	0	15	1	2.84303	- 4	247	4	18	1	2	0	7	10	0	2.19168	- 7	50
4	17	3	0	0	1	15	0	1.87369	- 8	250	4	18	0	0	3	5	8	4	4.73407	- 5	54
4	17	0	1	2	0	15	1	1.00198	- 5	251	4	18	0	0	3	6	9	2	2.41543	- 6	54
4	17	1	2	0	0	15	1	1.92492	- 5	251	4	18	1	1	1	6	9	2	5.09163	- 5	54
4	17	1	1	1	0	15	1	1.49944	- 5	255	4	18	1	1	1	7	10	0	1.85676	- 5	54
4	17	1	0	2	0	15	1	2.01747	- 7	259	4	18	1	0	2	6	9	2	1.92059	- 5	58
4	17	2	1	0	0	15	1	4.61100	- 7	259	4	18	2	1	0	7	10	0	3.33498	- 5	58
4	17	0	3	0	0	16	0	7.01196	- 4	260	4	18	0	3	0	6	10	1	2.10904	- 6	60
4	17	2	0	1	0	15	1	1.17977	- 7	263	4	18	2	0	1	6	9	2	2.03562	- 7	62
4	17	0	2	1	0	16	0	3.02747	- 5	264	4	18	2	0	1	7	10	0	6.28815	-11	62
4	17	3	0	0	0	15	1	1.43729	- 9	267	4	18	0	2	1	6	10	1	7.41563	- 6	64
4	17	1	2	0	0	16	0	3.72823	- 5	268	4	18	3	0	0	7	10	0	4.49976	- 7	66
4	17	1	1	1	0	16	0	9.15340	- 7	272	4	18	0	1	2	5	9	3	6.91007	- 5	68
4	17	2	1	0	0	16	0	4.64935	- 7	276	4	18	0	1	2	6	10	1	1.00484	- 5	68
4	17	2	0	1	0	16	0	4.86769	- 9	280	4	18	1	2	0	6	10	1	4.46864	- 5	68
4	17	3	0	0	0	16	0	9.48834	-10	284	4	18	0	0	3	5	9	3	9.35124	- 6	72
											4	18	1	1	1	6	10	1	2.91291	- 5	72
4	18	0	0	3	7	7	3	0.00000	0	0	4	18	1	0	2	5	9	3	9.09690	- 6	76
4	18	1	1	1	8	8	1	0.00000	0	0	4	18	1	0	2	6	10	1	4.79464	- 7	76
4	18	1	0	2	7	7	3	3.75024	- 5	4	4	18	2	1	0	6	10	1	3.38799	- 6	76
4	18	1	0	2	8	8	1	5.22992	- 6	4	4	18	0	3	0	6	11	0	8.32269	- 6	78
4	18	2	1	0	8	8	1	2.40334	- 5	4	4	18	2	0	1	6	10	1	5.62008	- 6	80
4	18	0	3	0	8	9	0	4.38958	- 6	6	4	18	0	2	1	5	10	2	3.70466	- 5	82
4	18	2	0	1	8	8	1	1.47227	- 5	8	4	18	0	2	1	6	11	0	1.40048	- 5	82
4	18	0	2	1	7	8	2	8.30213	- 6	10	4	18	3	0	0	6	10	1	1.07328	- 7	84
4	18	0	2	1	8	9	0	2.72546	- 6	10	4	18	0	1	2	5	10	2	4.38138	- 6	86
4	18	3	0	0	8	8	1	2.15250	- 9	12	4	18	1	2	0	6	11	0	7.96981	- 6	86
4	18	0	1	2	7	8	2	5.74255	- 6	14	4	18	0	0	3	4	9	4	3.79894	- 5	90
4	18	1	2	0	8	9	0	1.02320	- 5	14	4	18	0	0	3	5	10	2	1.28260	- 6	90
4	18	0	0	3	6	7	4	5.26007	- 5	18	4	18	1	1	1	5	10	2	3.29903	- 5	90
4	18	0	0	3	7	8	2	3.16426	- 6	18	4	18	1	1	1	6	11	0	1.02716	- 5	90
4	18	1	1	1	7	8	2	6.19842	- 5	18	4	18	1	0	2	5	10	2	1.79760	- 5	94
4	18	1	1	1	8	9	0	2.40334	- 5	18	4	18	2	1	0	6	11	0	2.95096	- 5	94
4	18	1	0	2	7	8	2	1.41806	- 5	22	4	18	0	3	0	5	11	1	6.78975	- 6	96
4	18	2	1	0	8	9	0	2.52667	- 5	22	4	18	2	0	1	5	10	2	6.07115	- 8	98
4	18	0	3	0	7	9	1	3.60747	- 7	24	4	18	2	0	1	6	11	0	1.76445	- 7	98
4	18	2	0	1	7	8	2	2.28611	- 6	26	4	18	0	2	1	5	11	1	5.91248	- 7	100
4	18	2	0	1	8	9	0	5.13175	- 7	26	4	18	3	0	0	6	11	0	1.64346	- 8	102
4	18	0	2	1	7	9	1	1.37306	- 5	28	4	18	0	1	2	4	10	3	7.54556	- 5	104

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X	n'	n	n ₁ '	n ₂ '	m'	n ₁	n ₂	m	f	X		
4	18	0	1	2	5	11	1	9.30423	- 6	104	4	18	0	0	3	2	12	3	2.15849	- 5	180
4	18	1	2	0	5	11	1	4.31888	- 5	104	4	18	1	1	1	3	13	1	3.71465	- 5	180
4	18	0	0	3	4	10	3	1.70952	- 5	108	4	18	1	0	2	2	12	3	3.37764	- 7	184
4	18	1	1	1	5	11	1	4.83274	- 5	108	4	18	1	0	2	3	13	1	5.90495	- 7	184
4	18	1	0	2	4	10	3	2.32597	- 6	112	4	18	2	1	0	3	13	1	1.29447	- 6	184
4	18	1	0	2	5	11	1	1.37937	- 9	112	4	18	0	3	0	3	14	0	3.61523	- 6	186
4	18	2	1	0	5	11	1	1.78199	- 7	112	4	18	2	0	1	3	13	1	1.81194	- 7	188
4	18	0	3	0	5	12	0	5.89368	- 6	114	4	18	0	2	1	2	13	2	8.20993	- 5	190
4	18	2	0	1	5	11	1	1.61266	- 6	116	4	18	0	2	1	3	14	0	2.00048	- 5	190
4	18	0	2	1	4	11	2	5.73363	- 5	118	4	18	3	0	0	3	13	1	2.18421	-11	192
4	18	0	2	1	5	12	0	2.07196	- 5	118	4	18	0	1	2	2	13	2	7.68072	- 5	194
4	18	3	0	0	5	11	1	7.19095	- 8	120	4	18	1	2	0	3	14	0	1.03232	- 4	194
4	18	0	1	2	4	11	2	2.22702	- 5	122	4	18	0	0	3	1	12	4	6.90717	- 6	198
4	18	1	2	0	5	12	0	3.80391	- 5	122	4	18	0	0	3	2	13	2	3.83755	- 7	198
4	18	0	0	3	3	10	4	2.65926	- 5	126	4	18	1	1	1	2	13	2	7.65398	- 8	198
4	18	0	0	3	4	11	2	3.24159	- 7	126	4	18	1	1	1	3	14	0	1.22172	- 6	198
4	18	1	1	1	4	11	2	1.49278	- 5	126	4	18	1	0	2	2	13	2	3.96100	- 7	202
4	18	1	1	1	5	12	0	3.08158	- 6	126	4	18	2	1	0	3	14	0	4.97514	- 8	202
4	18	1	0	2	4	11	2	1.17439	- 5	130	4	18	0	3	0	2	14	1	5.05770	- 5	204
4	18	2	1	0	5	12	0	1.72427	- 5	130	4	18	2	0	1	2	13	2	1.10538	- 7	206
4	18	0	3	0	4	12	1	1.61721	- 5	132	4	18	2	0	1	3	14	0	3.74901	- 8	206
4	18	2	0	1	4	11	2	3.29465	- 7	134	4	18	0	2	1	2	14	1	1.01479	- 4	208
4	18	2	0	1	5	12	0	3.14675	- 7	134	4	18	3	0	0	3	14	0	3.52376	- 8	210
4	18	0	2	1	4	12	1	4.69360	- 6	136	4	18	0	1	2	1	13	3	3.36749	- 5	212
4	18	3	0	0	5	12	0	3.77240	- 8	138	4	18	0	1	2	2	14	1	4.81291	- 9	212
4	18	0	1	2	3	11	3	7.09935	- 5	140	4	18	1	2	0	2	14	1	1.47770	- 6	212
4	18	0	1	2	4	12	1	6.04313	- 6	140	4	18	0	0	3	1	13	3	1.53020	- 5	216
4	18	1	2	0	4	12	1	3.14633	- 5	140	4	18	1	1	1	2	14	1	1.22974	- 5	216
4	18	0	0	3	3	11	3	2.21029	- 5	144	4	18	1	0	2	1	13	3	9.45554	- 7	220
4	18	1	1	1	4	12	1	5.25933	- 5	144	4	18	1	0	2	2	14	1	3.96351	- 7	220
4	18	1	0	2	3	11	3	7.99441	- 8	148	4	18	2	1	0	2	14	1	1.04635	- 6	220
4	18	1	0	2	4	12	1	3.08441	- 7	148	4	18	0	3	0	2	15	0	4.38601	- 5	222
4	18	2	1	0	4	12	1	3.92810	- 7	148	4	18	2	0	1	2	14	1	4.07862	- 7	224
4	18	0	3	0	4	13	0	9.30568	- 7	150	4	18	0	2	1	1	14	2	7.05649	- 5	226
4	18	2	0	1	4	12	1	6.94684	- 8	152	4	18	0	2	1	2	15	0	8.70425	- 6	226
4	18	0	2	1	3	12	2	7.50634	- 5	154	4	18	3	0	0	2	14	1	5.29445	- 9	228
4	18	0	2	1	4	13	0	2.39413	- 5	154	4	18	0	1	2	1	14	2	8.24693	- 5	230
4	18	3	0	0	4	12	1	1.89407	- 8	156	4	18	1	2	0	2	15	0	8.04113	- 5	230
4	18	0	1	2	3	12	2	5.05168	- 5	158	4	18	0	0	3	0	13	4	1.80649	- 6	234
4	18	1	2	0	4	13	0	7.90794	- 5	158	4	18	0	0	3	1	14	2	9.82113	- 7	234
4	18	0	0	3	2	11	4	1.55411	- 5	162	4	18	1	1	1	1	14	2	3.15892	- 6	234
4	18	0	0	3	3	12	2	2.69810	- 9	162	4	18	1	1	1	2	15	0	3.14250	- 6	234
4	18	1	1	1	3	12	2	3.04584	- 6	162	4	18	1	0	2	1	14	2	4.75452	- 7	238
4	18	1	1	1	4	13	0	4.34685	- 8	162	4	18	2	1	0	2	15	0	1.67013	- 6	238
4	18	1	0	2	3	12	2	4.53373	- 6	166	4	18	0	3	0	1	15	1	6.66851	- 5	240
4	18	2	1	0	4	13	0	5.08300	- 6	166	4	18	2	0	1	1	14	2	7.32391	-11	242
4	18	0	3	0	3	13	1	3.12926	- 5	168	4	18	2	0	1	2	15	0	7.97073	- 9	242
4	18	2	0	1	3	12	2	3.28163	- 7	170	4	18	0	2	1	1	15	1	1.87878	- 4	244
4	18	2	0	1	4	13	0	2.07826	- 7	170	4	18	3	0	0	2	15	0	1.26934	-12	246
4	18	0	2	1	3	13	1	3.50856	- 5	172	4	18	0	1	2	0	14	3	1.23088	- 5	248
4	18	3	0	0	4	13	0	8.12199	- 8	174	4	18	0	1	2	1	15	1	2.78268	- 6	248
4	18	0	1	2	2	12	3	5.57390	- 5	176	4	18	1	2	0	1	15	1	2.80146	- 6	248
4	18	0	1	2	3	13	1	1.92936	- 6	176	4	18	0	0	3	0	14	3	6.32272	- 6	252
4	18	1	2	0	3	13	1	1.42737	- 5	176	4	18	1	1	1	1	15	1	9.12821	- 9	252

Table I. f-VALUES FOR INDIVIDUAL STARK COMPONENTS.

n'	n	n_1'	n_2'	m'	n_1	n_2	m	f	X	
4	18	1	0	2	0	14	3	7.17160	- 7	256
4	18	1	0	2	1	15	1	2.96620	- 8	256
4	18	2	1	0	1	15	1	1.09223	- 7	256
4	18	0	3	0	1	16	0	1.87874	- 4	258
4	18	2	0	1	1	15	1	1.09177	- 7	260
4	18	0	2	1	0	15	2	3.85532	- 5	262
4	18	0	2	1	1	16	0	3.91002	- 9	262
4	18	3	0	0	1	15	1	3.49866	- 9	264
4	18	0	1	2	0	15	2	5.29535	- 5	266
4	18	1	2	0	1	16	0	1.71798	- 5	266
4	18	0	0	3	0	15	2	9.68166	- 7	270
4	18	1	1	1	0	15	2	4.91480	- 6	270
4	18	1	1	1	1	16	0	1.68427	- 6	270
4	18	1	0	2	0	15	2	1.75704	- 6	274
4	18	2	1	0	1	16	0	2.18027	- 6	274
4	18	0	3	0	0	16	1	6.16722	- 5	276
4	18	2	0	1	0	15	2	6.64314	- 8	278
4	18	2	0	1	1	16	0	4.35059	- 8	278
4	18	0	2	1	0	16	1	2.17814	- 4	280
4	18	3	0	0	1	16	0	1.46303	- 8	282
4	18	0	1	2	0	16	1	7.85969	- 6	284
4	18	1	2	0	0	16	1	1.52482	- 5	284
4	18	1	1	1	0	16	1	1.21619	- 5	288
4	18	1	0	2	0	16	1	1.68154	- 7	292
4	18	2	1	0	0	16	1	3.86684	- 7	292
4	18	0	3	0	0	17	0	5.62443	- 4	294
4	18	2	0	1	0	16	1	1.01723	- 7	296
4	18	0	2	1	0	17	0	2.50191	- 5	298
4	18	3	0	0	0	16	1	1.28200	- 9	300
4	18	1	2	0	0	17	0	3.18183	- 5	302
4	18	1	1	1	0	17	0	8.06399	- 7	306
4	18	2	1	0	0	17	0	4.23385	- 7	310
4	18	2	0	1	0	17	0	4.58128	- 9	314
4	18	3	0	0	0	17	0	9.23796	-10	318

Table II. TOTAL f-VALUES FOR EACH LINE.

n'	n	f ₀	f _±	f	n'	n	f ₀	f _±	f
1	2	0.27746400	0.13873200	0.41619600	2	17	0.00002900	0.00069800	0.00072700
1	3	0.00000000	0.07910200	0.07910200	2	18	0.00000000	0.00060975	0.00060975
1	4	0.00773100	0.02126000	0.02899100	3	4	0.23174756	0.61034867	0.84209623
1	5	0.00000000	0.01393800	0.01393800	3	5	0.00000000	0.15058411	0.15058411
1	6	0.00133700	0.00646200	0.00779900	3	6	0.00653378	0.04930644	0.05584022
1	7	0.00000000	0.00481400	0.00481400	3	7	0.00000000	0.02768489	0.02768489
1	8	0.00040400	0.00277900	0.00318300	3	8	0.00118289	0.01485289	0.01603578
1	9	0.00000000	0.00221600	0.00221600	3	9	0.00000000	0.01023411	0.01023411
1	10	0.00016200	0.00144300	0.00160500	3	10	0.00039167	0.00658800	0.00697967
1	11	0.00000000	0.00120100	0.00120100	3	11	0.00000000	0.00499644	0.00499644
1	12	0.00007700	0.00084400	0.00092100	3	12	0.00016911	0.00354233	0.00371144
1	13	0.00000000	0.00072300	0.00072300	3	13	0.00000000	0.00283878	0.00283878
1	14	0.00004100	0.00053600	0.00057700	3	14	0.00008556	0.00213800	0.00222356
1	15	0.00000000	0.00046900	0.00046900	3	15	0.00000000	0.00177633	0.00177633
1	16	0.00002400	0.00036100	0.00038500	3	16	0.00004811	0.00139467	0.00144278
1	17	0.00000000	0.00032100	0.00032100	3	17	0.00000000	0.00118878	0.00118878
1	18	0.00001500	0.00025500	0.00027000	3	18	0.00002922	0.00096244	0.00099167
2	3	0.24868875	0.39205850	0.64074725	4	5	0.22147969	0.81625656	0.10377363
2	4	0.00000000	0.11932125	0.11932125	4	6	0.00049981	0.17875256	0.17925237
2	5	0.00701450	0.03765575	0.04467025	4	7	0.00563575	0.05985019	0.06548594
2	6	0.00000000	0.02209275	0.02209275	4	8	0.00040194	0.03189319	0.03229513
2	7	0.00131025	0.01139425	0.01270450	4	9	0.00107938	0.01762019	0.01869956
2	8	0.00000000	0.00803550	0.00803550	4	10	0.00000000	0.01196113	0.01196113
2	9	0.00042175	0.00500725	0.00542900	4	11	0.00036269	0.00782450	0.00818719
2	10	0.00000000	0.00385050	0.00385050	4	12	0.00000369	0.00588238	0.00588606
2	11	0.00017725	0.00265800	0.00283525	4	13	0.00015913	0.00423338	0.00439250
2	12	0.00000000	0.00215100	0.00215100	4	14	0.00000000	0.00337544	0.00337544
2	13	0.00008775	0.00158425	0.00167200	4	15	0.00008169	0.00257431	0.00265600
2	14	0.00000000	0.00132625	0.00132625	4	16	0.00000000	0.00213125	0.00213125
2	15	0.00004825	0.00102175	0.00107000	4	17	0.00004656	0.00169200	0.00173856
2	16	0.00000000	0.00087650	0.00087650	4	18	0.00000000	0.00143825	0.00143825

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
1	2	5667931447	2	0.06936612
1	3	6052620047	3	0.02636720
1	3	1210524048	6	0.01318359
1	4	7254952447	4	0.00048318
1	4	1450990548	8	0.00579820
1	4	2176485748	12	0.00434865
1	5	8648577547	5	0.00278768
1	5	1729715548	10	0.00046461
1	5	2594573348	15	0.00185844
1	5	3459431048	20	0.00185845
1	6	1011899348	6	0.00003714
1	6	2023798648	12	0.00118848
1	6	3035697848	18	0.00033426
1	6	4047597148	24	0.00074280
1	6	5059496448	30	0.00092851
1	7	1162853148	7	0.00068772
1	7	2325706248	14	0.00005731
1	7	3488559348	21	0.00057308
1	7	4651412448	28	0.00022924
1	7	5814265548	35	0.00034384
1	7	6977118548	42	0.00051578
1	8	1316091148	8	0.00000632
1	8	2632182248	16	0.00037896
1	8	3948273448	24	0.00005685
1	8	5264364548	32	0.00030320
1	8	6580455648	40	0.00015791
1	8	7896546748	48	0.00017684
1	8	9212637848	56	0.00030950
1	9	1470786848	9	0.00024624
1	9	2941573548	18	0.00001231
1	9	4412360348	27	0.00022160
1	9	5883147048	36	0.00004925
1	9	7353933848	45	0.00017236
1	9	8824720548	54	0.00011081
1	9	1029550749	63	0.00009848
1	9	1176629449	72	0.00019699
1	10	1626472448	10	0.00000162
1	10	3252944848	20	0.00015568
1	10	4879417248	30	0.00001459
1	10	6505889648	40	0.00013620
1	10	8132362048	50	0.00004054
1	10	9758834448	60	0.00010380
1	10	1138530749	70	0.00007946
1	10	1301177949	80	0.00005836
1	10	1463825249	90	0.00013135
1	11	1782863348	11	0.00010912

n'	n	c _x (floating point)	X	f _x
1	11	3565726648	22	0.00000364
1	11	5348589848	33	0.00010188
1	11	7131453148	44	0.00001455
1	11	8914316448	55	0.00008732
1	11	1069718049	66	0.00003274
1	11	1248004349	77	0.00006548
1	11	1426290649	88	0.00005821
1	11	1604577049	99	0.00003636
1	11	1782863349	110	0.00009095
1	12	1939774648	12	0.00000054
1	12	3879549148	24	0.00007516
1	12	5819323748	36	0.00000483
1	12	7759098248	48	0.00006872
1	12	9698872848	60	0.00001342
1	12	1163864749	72	0.00005800
1	12	1357842249	84	0.00002631
1	12	1551819649	96	0.00004296
1	12	1745797149	108	0.00004349
1	12	1939774649	120	0.00002364
1	12	2133752049	132	0.00006497
1	13	2097081548	13	0.00005560
1	13	4194163048	26	0.00000132
1	13	6291244448	39	0.00005296
1	13	8388325948	52	0.00000529
1	13	1048540749	65	0.00004764
1	13	1258248949	78	0.00001191
1	13	1467957049	91	0.00003972
1	13	1677665249	104	0.00002118
1	13	1887373349	117	0.00002912
1	13	2097081549	130	0.00003309
1	13	2306789649	143	0.00001588
1	13	2516497849	156	0.00004765
1	14	2254696448	14	0.00000021
1	14	4509392748	28	0.00004060
1	14	6764089148	42	0.00000190
1	14	9018785448	56	0.00003808
1	14	1127348249	70	0.00000529
1	14	1352817849	84	0.00003384
1	14	1578287549	98	0.00001036
1	14	1803757149	112	0.00002792
1	14	2029226749	126	0.00001713
1	14	2254696449	140	0.00002032
1	14	2480166049	154	0.00002559
1	14	2705635649	168	0.00001100
1	14	2931105349	182	0.00003574
1	15	2412555948	15	0.00003124
1	15	4825111848	30	0.00000056
1	15	7237667748	45	0.00003012
1	15	9650223648	60	0.00000223
1	15	1206278049	75	0.00002788

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
1	15	1447533549	90	0.00000502
1	15	1688789149	105	0.00002456
1	15	1930044749	120	0.00000893
1	15	2171300349	135	0.00002008
1	15	2412555949	150	0.00001395
1	15	2653811549	165	0.00001452
1	15	2895067149	180	0.00002008
1	15	3136322749	195	0.00000780
1	15	3377578349	210	0.00002734
1	16	2570612848	16	0.00000009
1	16	5141225648	32	0.00002380
1	16	7711838448	48	0.00000085
1	16	1028245149	64	0.00002268
1	16	1285306449	80	0.00000236
1	16	1542367749	96	0.00002080
1	16	1799429049	112	0.00000463
1	16	2056490249	128	0.00001816
1	16	2313551549	144	0.00000765
1	16	2570612849	160	0.00001476
1	16	2827674149	176	0.00001144
1	16	3084735449	192	0.00001060
1	16	3341796649	208	0.00001597
1	16	3598857949	224	0.00000568
1	16	3855919249	240	0.00002126
1	17	2728831748	17	0.00001888
1	17	5457663348	34	0.00000026
1	17	8186495048	51	0.00001836
1	17	1091532749	68	0.00000105
1	17	1364415849	85	0.00001732
1	17	1637299049	102	0.00000236
1	17	1910182249	119	0.00001572
1	17	2183065349	136	0.00000420
1	17	2455948549	153	0.00001364
1	17	2728831749	170	0.00000656
1	17	3001714849	187	0.00001100
1	17	3274598049	204	0.00000944
1	17	3547481249	221	0.00000788
1	17	3820364349	238	0.00001285
1	17	4093247549	255	0.00000420
1	17	4366130749	272	0.00001679
1	18	2887184748	18	0.00000005
1	18	5774369448	36	0.00001488
1	18	8661554148	54	0.00000042
1	18	1154873949	72	0.00001432
1	18	1443592449	90	0.00000116
1	18	1732310849	108	0.00001340
1	18	2021029349	126	0.00000228
1	18	2309747849	144	0.00001208
1	18	2598466249	162	0.00000376
1	18	2887184749	180	0.00001040
1	18	3175903249	198	0.00000562

n'	n	c _x (floating point)	X	f _x
1	18	3464621649	216	0.00000836
1	18	3753340149	234	0.00000785
1	18	4042058649	252	0.00000596
1	18	4330777149	270	0.00001046
1	18	4619495549	288	0.00000316
1	18	4908214049	306	0.00001343
2	3	8263843948	1	0.35079144
2	3	1652768849	2	0.06604519
2	3	2479153249	3	0.20873542
2	3	3305537649	4	0.15229350
2	3	4131922049	5	0.00289912
2	3	4958306349	6	0.00326148
2	3	6611075149	8	0.00009060
2	4	9068690048	2	0.01455833
2	4	1813738049	4	0.08677904
2	4	2720607049	6	0.06365699
2	4	3627476049	8	0.03653854
2	4	4534345049	10	0.03549186
2	4	5441214049	12	0.00152244
2	4	6348083049	14	0.00009515
2	5	7229504448	2	0.00154752
2	5	1084425749	3	0.00913716
2	5	1807376149	5	0.00190160
2	5	2530326549	7	0.00115048
2	5	2891801849	8	0.00015064
2	5	3614752249	10	0.01744116
2	5	4337702649	12	0.00164814
2	5	4699177949	13	0.01648680
2	5	5422128349	15	0.01140954
2	5	6145078749	17	0.00051344
2	5	6506554049	18	0.01305056
2	5	7229504449	20	0.00080224
2	5	7952454849	22	0.00007220
2	6	6456128048	2	0.00185396
2	6	1291225649	4	0.00020599
2	6	1936838449	6	0.01019672
2	6	2582451249	8	0.00082397
2	6	3228064049	10	0.00504684
2	6	3873676849	12	0.00185394
2	6	4519289649	14	0.00010300
2	6	5164902449	16	0.00046349
2	6	5810515249	18	0.00509832
2	6	6456128049	20	0.00046349
2	6	7101740849	22	0.00643732
2	6	7747353649	24	0.00463486
2	6	8392966449	26	0.00025748
2	6	9038579249	28	0.00623131
2	6	9684192049	30	0.00046348
2	6	1032980550	32	0.00005150
2	7	6048312448	2	0.00027537

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
2	7	1512078149	5	0.00156436
2	7	2116909349	7	0.00017616
2	7	2721740649	9	0.00043188
2	7	3628987449	12	0.00000609
2	7	4233818749	14	0.00422104
2	7	4838649949	16	0.00039538
2	7	5745896849	19	0.00283456
2	7	6350728049	21	0.00132122
2	7	6955559349	23	0.00000336
2	7	7862806149	26	0.00050610
2	7	8467637449	28	0.00186488
2	7	9072468649	30	0.00015220
2	7	9979715549	33	0.00297164
2	7	1058454750	35	0.00220204
2	7	1118937850	37	0.00014044
2	7	1209662550	40	0.00339862
2	7	1270145650	42	0.00028672
2	7	1330628750	44	0.00003657
2	8	5803962048	2	0.00051940
2	8	1741188649	6	0.00007304
2	8	2321584849	8	0.00273552
2	8	2901981049	10	0.00020289
2	8	4062773449	14	0.00114484
2	8	4643169649	16	0.00027702
2	8	5223565849	18	0.00010604
2	8	6384358249	22	0.00001042
2	8	6964754449	24	0.00194140
2	8	7545150649	26	0.00019221
2	8	8705943049	30	0.00166380
2	8	9286339249	32	0.00088644
2	8	9866735449	34	0.00000172
2	8	1102752850	38	0.00044441
2	8	1160792450	40	0.00079640
2	8	1218832050	42	0.00005486
2	8	1334911350	46	0.00153612
2	8	1392950950	48	0.00116346
2	8	1450990550	50	0.00008180
2	8	1567069750	54	0.00202599
2	8	1625109450	56	0.00018700
2	8	1683149050	58	0.00002629
2	9	5644892848	2	0.00008688
2	9	1975712549	7	0.00047212
2	9	2540201849	9	0.00003390
2	9	3104691049	11	0.00018212
2	9	4515914249	16	0.00001254
2	9	5080403549	18	0.00148740
2	9	5644892849	20	0.00013037
2	9	7056116049	25	0.00080800
2	9	7620605349	27	0.00027458
2	9	8185094649	29	0.00002492
2	9	9596317849	34	0.00003505
2	9	1016080750	36	0.00097128

n'	n	c _x (floating point)	X	f _x
2	9	1072529650	38	0.00009668
2	9	1213652050	43	0.00102128
2	9	1270100950	45	0.00059324
2	9	1326549850	47	0.00000620
2	9	1467672150	52	0.00036343
2	9	1524121150	54	0.00038228
2	9	1580570050	56	0.00002084
2	9	1721692350	61	0.00086232
2	9	1778141250	63	0.00066444
2	9	1834590250	65	0.00005024
2	9	1975712550	70	0.00128812
2	9	2032161450	72	0.00012716
2	9	2088610350	74	0.00001923
2	10	5535089248	2	0.00020144
2	10	2214035749	8	0.00003223
2	10	2767544649	10	0.00104072
2	10	3321053549	12	0.00007251
2	10	4981580349	18	0.00038808
2	10	5535089249	20	0.00006714
2	10	6088598149	22	0.00006580
2	10	7749124949	28	0.00000022
2	10	8302633849	30	0.00084488
2	10	8856142749	32	0.00008079
2	10	1051666950	38	0.00056868
2	10	1107017850	40	0.00023500
2	10	1162368750	42	0.00000468
2	10	1328421450	48	0.00005036
2	10	1383772350	50	0.00052036
2	10	1439123250	52	0.00005036
2	10	1605175950	58	0.00065264
2	10	1660526850	60	0.00040286
2	10	1715877750	62	0.00000804
2	10	1881930350	68	0.00029005
2	10	1937281250	70	0.00020144
2	10	1992632150	72	0.00000806
2	10	2158684850	78	0.00051564
2	10	2214035750	80	0.00040286
2	10	2269386650	82	0.00003224
2	10	2435439250	88	0.00086032
2	10	2490790150	90	0.00008952
2	10	2546141050	92	0.00001432
2	11	5455896248	2	0.00003618
2	11	2455153349	9	0.00018940
2	11	3000742949	11	0.00000948
2	11	3546332549	13	0.00008848
2	11	5455896249	20	0.00000964
2	11	6001485849	22	0.00065316
2	11	6547075449	24	0.00005379
2	11	8456639149	31	0.00030640
2	11	9002228749	33	0.00007970
2	11	9547818449	35	0.00002380
2	11	1145738250	42	0.00000195

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
2	11	1200297250	44	0.00049988
2	11	1254856150	46	0.00004989
2	11	1445812550	53	0.00040408
2	11	1500371550	55	0.00018978
2	11	1554930450	57	0.00000040
2	11	1745886850	64	0.00005607
2	11	1800445750	66	0.00029512
2	11	1855004750	68	0.00002705
2	11	2045961150	75	0.00043192
2	11	2100520050	77	0.00027896
2	11	2155079050	79	0.00000804
2	11	2346035450	86	0.00023014
2	11	2400594350	88	0.00011468
2	11	2455153350	90	0.00000306
2	11	2646109750	97	0.00032420
2	11	2700668650	99	0.00025620
2	11	2755227650	101	0.00002144
2	11	2946183950	108	0.00059748
2	11	3000742950	110	0.00006484
2	11	3055301950	112	0.00001085
2	12	5396796048	2	0.00009432
2	12	2698398049	10	0.00001638
2	12	3238077649	12	0.00048244
2	12	3777757249	14	0.00003210
2	12	5936475649	22	0.00016540
2	12	6476155249	24	0.00002156
2	12	7015834849	26	0.00003960
2	12	9174553249	34	0.00000174
2	12	9714232849	36	0.00041900
2	12	1025391250	38	0.00003812
2	12	1241263150	46	0.00023828
2	12	1295231050	48	0.00007886
2	12	1349199050	50	0.00000828
2	12	1565070850	58	0.00000635
2	12	1619038850	60	0.00030688
2	12	1673006850	62	0.00003106
2	12	1888878650	70	0.00029116
2	12	1942846650	72	0.00014970
2	12	1996814550	74	0.00000004
2	12	2212686450	82	0.00005579
2	12	2266654350	84	0.00017564
2	12	2320622350	86	0.00001491
2	12	2536494150	94	0.00029472
2	12	2590462150	96	0.00019714
2	12	2644430050	98	0.00000724
2	12	2860301950	106	0.00018301
2	12	2914269850	108	0.00006968
2	12	2968237850	110	0.00000108
2	12	3184109650	118	0.00021236
2	12	3238077650	120	0.00016942
2	12	3292045650	122	0.00001472
2	12	3507917450	130	0.00042837
2	12	3561885450	132	0.00004812

n'	n	c _x (floating point)	X	f _x
2	12	3615853350	134	0.00000836
2	13	5351464248	2	0.00001779
2	13	2943305349	11	0.00009036
2	13	3478451749	13	0.00000334
2	13	4013598249	15	0.00004784
2	13	6421757049	24	0.00000651
2	13	6956903549	26	0.00033080
2	13	7492049949	28	0.00002586
2	13	9900208849	37	0.00013928
2	13	1043535550	39	0.00002870
2	13	1097050250	41	0.00001784
2	13	1337866150	50	0.00000001
2	13	1391380750	52	0.00027500
2	13	1444895350	54	0.00002657
2	13	1685711250	63	0.00018472
2	13	1739225950	65	0.00007174
2	13	1792740550	67	0.00000260
2	13	2033556450	76	0.00001009
2	13	2087071050	78	0.00019468
2	13	2140585750	80	0.00001958
2	13	2381401650	89	0.00021300
2	13	2434916250	91	0.00011718
2	13	2488430950	93	0.00000052
2	13	2729246750	102	0.00005241
2	13	2782761450	104	0.00010904
2	13	2836276050	106	0.00000839
2	13	3077091950	115	0.00020652
2	13	3130606650	117	0.00014206
2	13	3184121250	119	0.00000616
2	13	3424937150	128	0.00014641
2	13	3478451750	130	0.00004480
2	13	3531966450	132	0.00000033
2	13	3772782350	141	0.00014392
2	13	3826296950	143	0.00011576
2	13	3879811550	145	0.00001036
2	13	4120627450	154	0.00031538
2	13	4174142150	156	0.00003648
2	13	4227656750	158	0.00000653
2	14	5315899648	2	0.00005004
2	14	3189539849	12	0.00000919
2	14	3721129749	14	0.00025436
2	14	4252719749	16	0.00001634
2	14	6910669549	26	0.00008176
2	14	7442259449	28	0.00000834
2	14	7973849449	30	0.00002460
2	14	1063179950	40	0.00000205
2	14	1116338950	42	0.00022968
2	14	1169497950	44	0.00001992
2	14	1435292950	54	0.00011520
2	14	1488451950	56	0.00003128
2	14	1541610950	58	0.00000796
2	14	1807405950	68	0.00000057

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
2	14	1860564950	70	0.00018452
2	14	1913723950	72	0.00001844
2	14	2179518850	82	0.00014360
2	14	2232677850	84	0.00006254
2	14	2285836850	86	0.00000064
2	14	2551631850	96	0.00001251
2	14	2604790850	98	0.00012720
2	14	2657949850	100	0.00001251
2	14	2923744850	110	0.00015820
2	14	2976903850	112	0.00009174
2	14	3030062850	114	0.00000092
2	14	3295857850	124	0.00004768
2	14	3349016750	126	0.00007020
2	14	3402175750	128	0.00000479
2	14	3667970750	138	0.00014812
2	14	3721129750	140	0.00010424
2	14	3774288750	142	0.00000516
2	14	4040083750	152	0.00011800
2	14	4093242750	154	0.00003024
2	14	4146401750	156	0.00000006
2	14	4412196750	166	0.00010040
2	14	4465355750	168	0.00008130
2	14	4518514750	170	0.00000748
2	14	4784309650	180	0.00023748
2	14	4837468650	182	0.00002816
2	14	4890627650	184	0.00000517
2	15	5287466048	2	0.00000978
2	15	3436852949	13	0.00004844
2	15	3965599549	15	0.00000138
2	15	4494346149	17	0.00002804
2	15	7402452449	28	0.00000435
2	15	7931199049	30	0.00018524
2	15	8459945649	32	0.00001387
2	15	1136805250	43	0.00007172
2	15	1189679950	45	0.00001202
2	15	1242554550	47	0.00001272
2	15	1533365150	58	0.00000036
2	15	1586239850	60	0.00016168
2	15	1639114550	62	0.00001502
2	15	1929925150	73	0.00009452
2	15	1982799850	75	0.00003090
2	15	2035674450	77	0.00000348
2	15	2326485050	88	0.00000177
2	15	2379359750	90	0.00012636
2	15	2432234450	92	0.00001284
2	15	2723045050	103	0.00011224
2	15	2775919750	105	0.00005330
2	15	2828794350	107	0.00000008
2	15	3119604950	118	0.00001374
2	15	3172479650	120	0.00008528
2	15	3225354350	122	0.00000810
2	15	3516164950	133	0.00011920
2	15	3569039650	135	0.00007208

n'	n	c _x (floating point)	X	f _x
2	15	3621914250	137	0.00000120
2	15	3912724850	148	0.00004260
2	15	3965599550	150	0.00004668
2	15	4018474250	152	0.00000277
2	15	4309284850	163	0.00010840
2	15	4362159550	165	0.00007778
2	15	4415034150	167	0.00000424
2	15	4705844750	178	0.00009589
2	15	4758719450	180	0.00002128
2	15	4811594150	182	0.00000000
2	15	5102404750	193	0.00007180
2	15	5155279450	195	0.00005850
2	15	5208154050	197	0.00000548
2	15	5498964650	208	0.00018230
2	15	5551839350	210	0.00002208
2	15	5604714050	212	0.00000414
2	16	5264364448	2	0.00002900
2	16	3685055149	14	0.00000555
2	16	4211491549	16	0.00014684
2	16	4737928049	18	0.00000918
2	16	7896546649	30	0.00004488
2	16	8422983049	32	0.00000368
2	16	8949419549	34	0.00001588
2	16	1210803850	46	0.00000180
2	16	1263447550	48	0.00013592
2	16	1316091150	50	0.00001129
2	16	1631953050	62	0.00006184
2	16	1684596650	64	0.00001402
2	16	1737240350	66	0.00000660
2	16	2053102150	78	0.00000000
2	16	2105745850	80	0.00011544
2	16	2158389450	82	0.00001122
2	16	2474251350	94	0.00007736
2	16	2526894950	96	0.00002894
2	16	2579538650	98	0.00000140
2	16	2895400450	110	0.00000294
2	16	2948044150	112	0.00008828
2	16	3000687750	114	0.00000898
2	16	3316549650	126	0.00008840
2	16	3369193250	128	0.00004490
2	16	3421836950	130	0.00000000
2	16	3737698750	142	0.00001411
2	16	3790342450	144	0.00005860
2	16	3842986050	146	0.00000530
2	16	4158847950	158	0.00009104
2	16	4211491550	160	0.00005700
2	16	4264135250	162	0.00000128
2	16	4579997050	174	0.00003768
2	16	4632640750	176	0.00003200
2	16	4685284350	178	0.00000160
2	16	5001146250	190	0.00008080
2	16	5053789850	192	0.00005892
2	16	5106433550	194	0.00000348

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
2	16	5422295350	206	0.00007855
2	16	5474939050	208	0.00001552
2	16	5527582650	210	0.00000001
2	16	5843444550	222	0.00005244
2	16	5896088150	224	0.00004296
2	16	5948731850	226	0.00000412
2	16	6264593650	238	0.00014231
2	16	6317237350	240	0.00001756
2	16	6369880950	242	0.00000336
2	17	5245332848	2	0.00000582
2	17	3933999649	15	0.00002828
2	17	4458532949	17	0.00000064
2	17	4983066249	19	0.00001752
2	17	8392532549	32	0.00000296
2	17	8917065849	34	0.00011172
2	17	9441599049	36	0.00000807
2	17	1285106550	49	0.00004048
2	17	1337559950	51	0.00000562
2	17	1390013250	53	0.00000904
2	17	1730959850	66	0.00000058
2	17	1783413250	68	0.00010064
2	17	1835866550	70	0.00000899
2	17	2176813150	83	0.00005276
2	17	2229266450	85	0.00001472
2	17	2281719850	87	0.00000336
2	17	2622666450	100	0.00000022
2	17	2675119750	102	0.00008360
2	17	2727573150	104	0.00000836
2	17	3068519750	117	0.00006336
2	17	3120973050	119	0.00002624
2	17	3173426350	121	0.00000052
2	17	3514373050	134	0.00000386
2	17	3566826350	136	0.00006276
2	17	3619279650	138	0.00000633
2	17	3960226350	151	0.00007012
2	17	4012679650	153	0.00003760
2	17	4065132950	155	0.00000008
2	17	4406079650	168	0.00001389
2	17	4458532950	170	0.00004112
2	17	4510986250	172	0.00000351
2	17	4851932850	185	0.00007044
2	17	4904386250	187	0.00004536
2	17	4956839550	189	0.00000128
2	17	5297786150	202	0.00003314
2	17	5350239550	204	0.00002248
2	17	5402692850	206	0.00000093
2	17	5743639450	219	0.00006124
2	17	5796092750	221	0.00004526
2	17	5848546150	223	0.00000284
2	17	6189492750	236	0.00006487
2	17	6241946050	238	0.00001164
2	17	6294399450	240	0.00000005
2	17	6635346050	253	0.00003904

n'	n	c _x (floating point)	X	f _x
2	17	6687799350	255	0.00003214
2	17	6740252650	257	0.00000312
2	17	7081199350	270	0.00011275
2	17	7133652650	272	0.00001412
2	17	7186105950	274	0.00000275
2	18	5229463848	2	0.00001796
2	18	4183571049	16	0.00000355
2	18	4706517449	18	0.00009072
2	18	5229463849	20	0.00000554
2	18	8890088549	34	0.00002664
2	18	9413034849	36	0.00000180
2	18	9935981249	38	0.00001064
2	18	1359660650	52	0.00000144
2	18	1411955250	54	0.00008536
2	18	1464249950	56	0.00000683
2	18	1830312350	70	0.00003592
2	18	1882607050	72	0.00000692
2	18	1934901650	74	0.00000516
2	18	2300964150	88	0.00000009
2	18	2353258750	90	0.00007520
2	18	2405553350	92	0.00000708
2	18	2771615850	106	0.00004480
2	18	2823910550	108	0.00001456
2	18	2876205150	110	0.00000168
2	18	3242267650	124	0.00000064
2	18	3294562250	126	0.00006136
2	18	3346856850	128	0.00000623
2	18	3712919350	142	0.00005204
2	18	3765213950	144	0.00002336
2	18	3817508650	146	0.00000016
2	18	4183571050	160	0.00000449
2	18	4235865750	162	0.00004536
2	18	4288160350	164	0.00000449
2	18	4654222850	178	0.00005608
2	18	4706517450	180	0.00003144
2	18	4758812150	182	0.00000020
2	18	5124874550	196	0.00001332
2	18	5177169250	198	0.00002940
2	18	5229463850	200	0.00000234
2	18	5595526350	214	0.00005512
2	18	5647820950	216	0.00003638
2	18	5700115550	218	0.00000124
2	18	6066178050	232	0.00002908
2	18	6118472650	234	0.00001620
2	18	6170767350	236	0.00000053
2	18	6536829850	250	0.00004704
2	18	6589124450	252	0.00003522
2	18	6641419050	254	0.00000236
2	18	7007481550	268	0.00005397
2	18	7059776150	270	0.00000900
2	18	7112070850	272	0.00000008
2	18	7478133250	286	0.00002956
2	18	7530427950	288	0.00002444

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
2	18	7582722550	290	0.00000240
2	18	7948785050	304	0.00009050
2	18	8001079650	306	0.00001148
2	18	8053374350	308	0.00000227
3	4	6745995049	1	0.08835376
3	4	1349199050	2	0.42658501
3	4	2023798550	3	0.18955104
3	4	2698398050	4	0.40063822
3	4	3372997550	5	0.38884590
3	4	4047597050	6	0.23159256
3	4	4722196550	7	0.00717456
3	4	5396796050	8	0.00849172
3	4	6071395550	9	0.00490800
3	4	6745995050	10	0.00007759
3	4	7420594550	11	0.00021030
3	4	8095194050	12	0.00013863
3	4	9444393050	14	0.00000084
3	4	1011899351	15	0.00000096
3	4	1214279151	18	0.00000001
3	5	3152406449	1	0.00701476
3	5	6304812849	2	0.00132604
3	5	9457219249	3	0.04612912
3	5	1260962650	4	0.00181619
3	5	1576203250	5	0.16478076
3	5	1891443850	6	0.00383693
3	5	2206684550	7	0.15153112
3	5	2521925150	8	0.02121670
3	5	2837165850	9	0.07240416
3	5	3152406450	10	0.06307326
3	5	3467647050	11	0.00064976
3	5	3782887750	12	0.07978360
3	5	4098128350	13	0.00271960
3	5	4413369050	14	0.05436047
3	5	4728609650	15	0.00393612
3	5	5043850250	16	0.00006286
3	5	5359090950	17	0.00258148
3	5	5674331550	18	0.00022100
3	5	6304812850	20	0.00017902
3	5	6620053450	21	0.00000220
3	5	7250534750	23	0.00000308
3	5	8196256650	26	0.00000006
3	6	6886536649	3	0.03365236
3	6	1377307350	6	0.01125917
3	6	2065961050	9	0.00511658
3	6	2754614650	12	0.02996764
3	6	3443268350	15	0.04404418
3	6	4131922050	18	0.04266760
3	6	4820575650	21	0.02940876
3	6	5509229350	24	0.02392124
3	6	6197882950	27	0.00167488
3	6	6886536650	30	0.00016249

n'	n	c _x (floating point)	X	f _x
3	6	7575190350	33	0.00000416
3	6	8263843950	36	0.00000013
3	7	1937645549	1	0.00078980
3	7	5812936549	3	0.00645700
3	7	7750582049	4	0.00036836
3	7	1162587350	6	0.00051183
3	7	1356351950	7	0.01985392
3	7	1550116450	8	0.00040205
3	7	1937645550	10	0.00230226
3	7	2131410150	11	0.01558500
3	7	2518939250	13	0.00000048
3	7	2712703750	14	0.00385738
3	7	2906468350	15	0.00494664
3	7	3293997450	17	0.00040024
3	7	3487761950	18	0.00207510
3	7	3875291050	20	0.00007352
3	7	4069055650	21	0.00761440
3	7	4262820150	22	0.00027540
3	7	4650349250	24	0.00110816
3	7	4844113850	25	0.01397656
3	7	5231642950	27	0.00007240
3	7	5425407450	28	0.00661920
3	7	5619172050	29	0.01067836
3	7	6006701150	31	0.00056100
3	7	6200465650	32	0.01268826
3	7	6587994750	34	0.00002156
3	7	6781759350	35	0.00116224
3	7	6975523850	36	0.01097629
3	7	7363052950	38	0.00011788
3	7	7556817550	39	0.00094984
3	7	7944346650	41	0.00000240
3	7	8138111150	42	0.00012990
3	7	8719404850	45	0.00000436
3	7	9300698450	48	0.00000018
3	8	3496767249	2	0.00029505
3	8	5245150849	3	0.00071686
3	8	8741918049	5	0.00539912
3	8	1049030250	6	0.00008200
3	8	1398706950	8	0.00041412
3	8	1748383650	10	0.00098592
3	8	1923222050	11	0.00154656
3	8	2272898750	13	0.00000326
3	8	2447737050	14	0.00016250
3	8	2797413850	16	0.00779072
3	8	3147090550	18	0.00007402
3	8	3321928850	19	0.00110590
3	8	3671605650	21	0.00827848
3	8	3846443950	22	0.00001340
3	8	4196120650	24	0.00264091
3	8	4545797450	26	0.00330032
3	8	4720635750	27	0.00003264
3	8	5070312450	29	0.00199488

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
3	8	5245150850	30	0.00001034
3	8	5594827550	32	0.00247424
3	8	5944504250	34	0.00043572
3	8	6119342650	35	0.00032600
3	8	6469019350	37	0.00585416
3	8	6643857750	38	0.00002780
3	8	6993534450	40	0.00286193
3	8	7343211150	42	0.00536880
3	8	7518049550	43	0.00028992
3	8	7867726250	45	0.00654918
3	8	8042564650	46	0.00001238
3	8	8392241350	48	0.00070228
3	8	8741918050	50	0.00626562
3	8	8916756450	51	0.00008232
3	8	9266433150	53	0.00063184
3	8	9441271450	54	0.00000200
3	8	9790948250	56	0.00010255
3	8	1031546351	59	0.00000408
3	8	1083997851	62	0.00000020
3	9	4902622549	3	0.00208368
3	9	9805245049	6	0.00029149
3	9	1470786850	9	0.00553204
3	9	1961049050	12	0.00071535
3	9	2451311350	15	0.00386400
3	9	2941573550	18	0.00064775
3	9	3431835850	21	0.00131076
3	9	3922098050	24	0.00018186
3	9	4412360350	27	0.00333852
3	9	4902622550	30	0.00052464
3	9	5392884850	33	0.00459140
3	9	5883147050	36	0.00168576
3	9	6373409350	39	0.0022248
3	9	6863671550	42	0.00162300
3	9	7353933850	45	0.00095756
3	9	7844196050	48	0.00056487
3	9	8334458350	51	0.00277772
3	9	8824720550	54	0.00137597
3	9	9314982850	57	0.00313496
3	9	9805245050	60	0.00371512
3	9	1029550751	63	0.00044580
3	9	1078577051	66	0.00394466
3	9	1127603251	69	0.00043972
3	9	1176629451	72	0.00008047
3	9	1225655651	75	0.00000364
3	9	1274681951	78	0.00000020
3	10	4677788749	3	0.00022970
3	10	6237051649	4	0.00009936
3	10	9355577449	6	0.00003600
3	10	1091484050	7	0.00171452
3	10	1559262950	10	0.00008595
3	10	2027041850	13	0.00067404
3	10	2182968150	14	0.00025840

n'	n	c _x (floating point)	X	f _x
3	10	2494820650	16	0.00006621
3	10	2650746950	17	0.00000794
3	10	3118525850	20	0.00291828
3	10	3586304750	23	0.00038160
3	10	3742231050	24	0.00005273
3	10	4054083550	26	0.00000040
3	10	4210009850	27	0.00263556
3	10	4677788750	30	0.00062857
3	10	5145567650	33	0.00009224
3	10	5301493950	34	0.00078464
3	10	5613346450	36	0.00001615
3	10	5769272750	37	0.00024008
3	10	6237051650	40	0.00154232
3	10	6704830550	43	0.00024904
3	10	6860756850	44	0.00000498
3	10	7172609350	46	0.00001064
3	10	7328535650	47	0.00264132
3	10	7796314550	50	0.00106707
3	10	8264093450	53	0.00002272
3	10	8420019750	54	0.00150352
3	10	8731872250	56	0.00000002
3	10	8887798550	57	0.00124958
3	10	9355577450	60	0.00043112
3	10	9823356350	63	0.00003136
3	10	9979282650	64	0.00043111
3	10	1029113551	66	0.00000472
3	10	1044706151	67	0.00143072
3	10	1091484051	70	0.00071545
3	10	1138261951	73	0.00009204
3	10	1153854551	74	0.00177028
3	10	1185039851	76	0.00000433
3	10	1200632451	77	0.00224492
3	10	1247410351	80	0.00029444
3	10	1294188251	83	0.00004136
3	10	1309780851	84	0.00255851
3	10	1340966151	86	0.00000128
3	10	1356558751	87	0.00031404
3	10	1403336651	90	0.00006334
3	10	1450114551	93	0.00000312
3	10	1496892451	96	0.00000019
3	11	4521245449	3	0.00075844
3	11	7535409049	5	0.00007048
3	11	9042490849	6	0.00005838
3	11	1205665450	8	0.00006890
3	11	1657790050	11	0.00217672
3	11	2109914550	14	0.00021102
3	11	2411330950	16	0.00005812
3	11	2562039150	17	0.00000472
3	11	2863455450	19	0.00139120
3	11	3315580050	22	0.00017023
3	11	3767704550	25	0.00024372
3	11	4069120950	27	0.00027188
3	11	4219829050	28	0.00002900

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
3	11	4521245450	30	0.00000740
3	11	4973369950	33	0.00158324
3	11	5425494550	36	0.00023480
3	11	5726910850	38	0.00001595
3	11	5877619050	39	0.00000244
3	11	6179035450	41	0.00178368
3	11	6631159950	44	0.00052147
3	11	7083284550	47	0.00001996
3	11	7384700850	49	0.00063548
3	11	7535409050	50	0.00000482
3	11	7836825450	52	0.00028352
3	11	8288949950	55	0.00076068
3	11	8741074450	58	0.00012110
3	11	9042490850	60	0.00002106
3	11	9193199050	61	0.00000692
3	11	9494615350	63	0.00158620
3	11	9946739950	66	0.00068289
3	11	1039886451	69	0.00002512
3	11	1070028151	71	0.00104572
3	11	1085098951	72	0.00000035
3	11	1115240551	74	0.00094690
3	11	1160453051	77	0.00022268
3	11	1205665451	80	0.00000892
3	11	1235807151	82	0.00037886
3	11	1250877951	83	0.00000200
3	11	1281019551	85	0.00079468
3	11	1326232051	88	0.00039545
3	11	1371444451	91	0.00005548
3	11	1401586151	93	0.00111196
3	11	1416656951	94	0.00000265
3	11	1446798551	96	0.00143090
3	11	1492011051	99	0.00020104
3	11	1537223451	102	0.00003000
3	11	1567365151	104	0.00176158
3	11	1582435951	105	0.00000100
3	11	1612577551	107	0.00023128
3	11	1657790051	110	0.00005021
3	11	1703002451	113	0.00000268
3	11	1748214951	116	0.00000018
3	12	4407383449	3	0.00009746
3	12	8814766849	6	0.00006103
3	12	1322215050	9	0.00071540
3	12	1762953450	12	0.00002550
3	12	2203691750	15	0.00033748
3	12	2644430050	18	0.00012485
3	12	3085168450	21	0.00001168
3	12	3525906750	24	0.00133992
3	12	3966645150	27	0.00016222
3	12	4407383450	30	0.00003061
3	12	4848121750	33	0.00107468
3	12	5288860150	36	0.00019950
3	12	5729598450	39	0.00008744
3	12	6170336850	42	0.00027038

n'	n	c _x (floating point)	X	f _x
3	12	6611075150	45	0.00003530
3	12	7051813450	48	0.00088608
3	12	7492551850	51	0.00014116
3	12	7933290150	54	0.00000579
3	12	8374028550	57	0.00121408
3	12	8814766850	60	0.00040561
3	12	9255505150	63	0.00000436
3	12	9696243550	66	0.00050666
3	12	1013698251	69	0.00028310
3	12	1057772051	72	0.00039800
3	12	1101845951	75	0.00005976
3	12	1145919751	78	0.00003951
3	12	1189993551	81	0.00098720
3	12	1234067451	84	0.00044467
3	12	1278141251	87	0.00002312
3	12	1322215051	90	0.00074338
3	12	1366288951	93	0.00071666
3	12	1410362751	96	0.00012988
3	12	1454436551	99	0.00000198
3	12	1498510451	102	0.00032528
3	12	1542584251	105	0.00046816
3	12	1586658051	108	0.00022973
3	12	1630731951	111	0.00003464
3	12	1674805751	114	0.00073089
3	12	1718879551	117	0.00095018
3	12	1762953451	120	0.00014112
3	12	1807027251	123	0.00002210
3	12	1851101051	126	0.00125736
3	12	1895174951	129	0.00017424
3	12	1939248751	132	0.00004014
3	12	1983322551	135	0.00000228
3	12	2027396451	138	0.00000016
3	13	4321722049	3	0.00036584
3	13	8643444049	6	0.00002800
3	13	1008401850	7	0.00003104
3	13	1440574050	10	0.00003706
3	13	1872746250	13	0.00103768
3	13	2304918450	16	0.00009488
3	13	2737090650	19	0.00000368
3	13	2881148050	20	0.00002885
3	13	3313320250	23	0.00062004
3	13	3745492450	26	0.00005802
3	13	4177664650	29	0.00015076
3	13	4609836850	32	0.00001669
3	13	4753894250	33	0.00010324
3	13	5186066450	36	0.00000000
3	13	5618238650	39	0.00083216
3	13	6050410850	42	0.00011564
3	13	6482583050	45	0.00000028
3	13	6626640450	46	0.00001424
3	13	7058812650	49	0.00081288
3	13	7490984850	52	0.00019320
3	13	7923157050	55	0.00003036

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	$c_x(\text{floating point})$	X	f_x
3	13	8355329250	58	0.00000529
3	13	8499386650	59	0.00023164
3	13	8931558850	62	0.00005962
3	13	9363731050	65	0.00051148
3	13	9795903250	68	0.00008440
3	13	1022807551	71	0.00000284
3	13	1037213351	72	0.00000000
3	13	1080430551	75	0.00083608
3	13	1123647751	78	0.00030687
3	13	1166864951	81	0.00000264
3	13	1210082251	84	0.00000024
3	13	1224487951	85	0.00039964
3	13	1267705151	88	0.00026100
3	13	1310922351	91	0.00022004
3	13	1354139651	94	0.00002974
3	13	1397356851	97	0.00000264
3	13	1411762551	98	0.00004421
3	13	1454979751	101	0.00063416
3	13	1498197051	104	0.00029511
3	13	1541414251	107	0.00001948
3	13	1584631451	110	0.00000065
3	13	1599037151	111	0.00053820
3	13	1642254451	114	0.00054530
3	13	1685471651	117	0.00008372
3	13	1728688851	120	0.00000020
3	13	1771906051	123	0.00000036
3	13	1786311851	124	0.00027469
3	13	1829529051	127	0.00028996
3	13	1872746251	130	0.00013916
3	13	1915963451	133	0.00002228
3	13	1959180651	136	0.00000105
3	13	1973586451	137	0.00049548
3	13	2016803651	140	0.00065252
3	13	2060020851	143	0.00010144
3	13	2103238051	146	0.00001654
3	13	2146455351	149	0.00000060
3	13	2160861051	150	0.00092254
3	13	2204078251	153	0.00013384
3	13	2247295451	156	0.00003238
3	13	2290512751	159	0.00000192
3	13	2333729951	162	0.00000014
3	14	4255517149	3	0.00004876
3	14	8511034249	6	0.00000972
3	14	1134804650	8	0.00002193
3	14	1560356350	11	0.00035196
3	14	1985908050	14	0.00000941
3	14	2411459750	17	0.00018724
3	14	2837011450	20	0.00001707
3	14	3120712550	22	0.00004080
3	14	3546264350	25	0.00001012
3	14	3971816050	28	0.00070208
3	14	4397367750	31	0.00007962
3	14	4822919450	34	0.00000040

n'	n	$c_x(\text{floating point})$	X	f_x
3	14	5106620550	36	0.00001782
3	14	5532172250	39	0.00051424
3	14	5957723950	42	0.00007657
3	14	6383275750	45	0.00006716
3	14	6808827450	48	0.00000863
3	14	7092528550	50	0.00010428
3	14	7518080250	53	0.00000482
3	14	7943631950	56	0.00052416
3	14	8369183650	59	0.00007960
3	14	8794735350	62	0.00000080
3	14	9078436550	64	0.00000562
3	14	9503988250	67	0.00061048
3	14	9929539950	70	0.00017105
3	14	1035509251	73	0.00000992
3	14	1078064351	76	0.00000217
3	14	1106434451	78	0.00020192
3	14	1148989651	81	0.00007416
3	14	1191544851	84	0.00030428
3	14	1234100051	87	0.00005052
3	14	1276655151	90	0.00000228
3	14	1305025251	92	0.00000153
3	14	1347580451	95	0.00058388
3	14	1390135651	98	0.00022975
3	14	1432690851	101	0.00000352
3	14	1475245951	104	0.00000001
3	14	1503616051	106	0.00031616
3	14	1546171251	109	0.00023076
3	14	1588726451	112	0.00012828
3	14	1631281651	115	0.00001480
3	14	1673836751	118	0.00000160
3	14	1702206851	120	0.00004867
3	14	1744762051	123	0.00041908
3	14	1787317251	126	0.00019959
3	14	1829872451	129	0.00001568
3	14	1872427551	132	0.00000061
3	14	1900797651	134	0.00039712
3	14	1943352851	137	0.00041838
3	14	1985908051	140	0.00005832
3	14	2028463251	143	0.00000002
3	14	2071018351	146	0.00000012
3	14	2099388451	148	0.00023163
3	14	2141943651	151	0.00018760
3	14	2184498851	154	0.00008740
3	14	2227053951	157	0.00001476
3	14	2269609151	160	0.00000068
3	14	2297979251	162	0.00034672
3	14	2340534451	165	0.00046088
3	14	2383089651	168	0.00007452
3	14	2425644751	171	0.00001256
3	14	2468199951	174	0.00000048
3	14	2496570051	176	0.00069369
3	14	2539125251	179	0.00010456
3	14	2581680451	182	0.00002636
3	14	2624235551	185	0.00000164

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
3	14	2666790751	188	0.00000013
3	15	4203208549	3	0.00019880
3	15	8406417049	6	0.00001516
3	15	1260962650	9	0.00001572
3	15	1681283450	12	0.00002174
3	15	2101604350	15	0.00055980
3	15	2521925150	18	0.00004890
3	15	2942246050	21	0.00000268
3	15	3362566850	24	0.00001590
3	15	3782887750	27	0.00031716
3	15	4203208550	30	0.00002349
3	15	4623529450	33	0.00009592
3	15	5043850250	36	0.00001009
3	15	5464171150	39	0.00004648
3	15	5884491950	42	0.00000104
3	15	6304812850	45	0.00047580
3	15	6725133650	48	0.00006216
3	15	7145454550	51	0.00000000
3	15	7565775350	54	0.00001023
3	15	7986096250	57	0.00041668
3	15	8406417050	60	0.00008213
3	15	8826737950	63	0.00002952
3	15	9247058750	66	0.00000440
3	15	9667379650	69	0.00009972
3	15	1008770051	72	0.00001348
3	15	1050802151	75	0.00033556
3	15	1092834251	78	0.00005390
3	15	1134866351	81	0.00000104
3	15	1176898451	84	0.00000160
3	15	1218930551	87	0.00045844
3	15	1260962651	90	0.00014451
3	15	1302994651	93	0.00000304
3	15	1345026751	96	0.00000083
3	15	1387058851	99	0.00017304
3	15	1429090951	102	0.00008016
3	15	1471123051	105	0.00018628
3	15	1513155151	108	0.00003036
3	15	1555187151	111	0.00000172
3	15	1597219251	114	0.00000427
3	15	1639251351	117	0.00041376
3	15	1681283451	120	0.00017168
3	15	1723315551	123	0.00000432
3	15	1765347651	126	0.00000001
3	15	1807379751	129	0.00025104
3	15	1849411751	132	0.00019940
3	15	1891443851	135	0.00007880
3	15	1933475951	138	0.00000728
3	15	1975508051	141	0.00000096
3	15	2017540151	144	0.00004985
3	15	2059572251	147	0.00028408
3	15	2101604351	150	0.00013745
3	15	2143636351	153	0.00001240
3	15	2185668451	156	0.00000053

n'	n	c _x (floating point)	X	f _x
3	15	2227700551	159	0.00029788
3	15	2269732651	162	0.00032404
3	15	2311764751	165	0.00004300
3	15	2353796851	168	0.00000028
3	15	2395828851	171	0.00000004
3	15	2437860951	174	0.00019532
3	15	2479893051	177	0.00012608
3	15	2521925151	180	0.00005669
3	15	2563957251	183	0.00001000
3	15	2605989351	186	0.00000044
3	15	2648021451	189	0.00024880
3	15	2690053451	192	0.00033342
3	15	2732085551	195	0.00005568
3	15	2774117651	198	0.00000966
3	15	2816149751	201	0.00000040
3	15	2858181851	204	0.00053229
3	15	2900213951	207	0.00008288
3	15	2942246051	210	0.00002164
3	15	2984278051	213	0.00000136
3	15	3026310151	216	0.00000011
3	16	4161112249	3	0.00002724
3	16	8322224449	6	0.00000576
3	16	1387037450	10	0.00001234
3	16	1803148650	13	0.00019348
3	16	2219259850	16	0.00000404
3	16	2635371150	19	0.00011216
3	16	3051482350	22	0.00000999
3	16	3606297250	26	0.00002040
3	16	4022408550	29	0.00000778
3	16	4438519750	32	0.00040368
3	16	4854630950	35	0.00004332
3	16	5270742150	38	0.00000052
3	16	5825557150	42	0.00001086
3	16	6241668350	45	0.00027516
3	16	6657779550	48	0.00003364
3	16	7073890750	51	0.00004904
3	16	7490002050	54	0.00000587
3	16	8044816950	58	0.00004872
3	16	8460928150	61	0.00000032
3	16	8877039450	64	0.00032448
3	16	9293150650	67	0.00004672
3	16	9709261850	70	0.00000016
3	16	1026407751	74	0.00000539
3	16	1068018851	77	0.00033364
3	16	1109629951	80	0.00007950
3	16	1151241051	83	0.00001264
3	16	1192852251	86	0.00000221
3	16	1248333751	90	0.00009216
3	16	1289944851	93	0.00002122
3	16	1331555951	96	0.00021844
3	16	1373167051	99	0.00003626
3	16	1414778151	102	0.00000104
3	16	1470259651	106	0.00000017

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
3	16	1511870851	109	0.00034564
3	16	1553481951	112	0.00011900
3	16	1595093051	115	0.00000112
3	16	1636704151	118	0.00000029
3	16	1692185651	122	0.00014700
3	16	1733796851	125	0.00008026
3	16	1775407951	128	0.00011728
3	16	1817019051	131	0.00001830
3	16	1858630151	134	0.00000124
3	16	1914111651	138	0.00000695
3	16	1955722751	141	0.00029752
3	16	1997333951	144	0.00012862
3	16	2038945051	147	0.00000464
3	16	2080556151	150	0.00000006
3	16	2136037651	154	0.00020048
3	16	2177648751	157	0.00017018
3	16	2219259851	160	0.00005092
3	16	2260871051	163	0.00000350
3	16	2302482151	166	0.00000056
3	16	2357963651	170	0.00004890
3	16	2399574751	173	0.00019700
3	16	2441185851	176	0.00009627
3	16	2482796951	179	0.00000968
3	16	2524408151	182	0.00000044
3	16	2579889651	186	0.00022684
3	16	2621500751	189	0.00025342
3	16	2663111851	192	0.00003300
3	16	2704722951	195	0.00000056
3	16	2746334151	198	0.00000000
3	16	2801815551	202	0.00016506
3	16	2843426751	205	0.00008776
3	16	2885037851	208	0.00003784
3	16	2926648951	211	0.00000692
3	16	2968260051	214	0.00000029
3	16	3023741551	218	0.00018244
3	16	3065352751	221	0.00024626
3	16	3106963851	224	0.00004232
3	16	3148574951	227	0.00000752
3	16	3190186051	230	0.00000032
3	16	3245667551	234	0.00041562
3	16	3287278651	237	0.00006656
3	16	3328889851	240	0.00001791
3	16	3370500951	243	0.00000116
3	16	3412112051	246	0.00000010
3	17	4126701049	3	0.00011752
3	17	8253402049	6	0.00000894
3	17	1513123750	11	0.00000876
3	17	1925793850	14	0.00001360
3	17	2338463950	17	0.00032940
3	17	2751134050	20	0.00002776
3	17	3163804150	23	0.00000192
3	17	3851587650	28	0.00000946
3	17	4264257750	31	0.00017880

n'	n	c _x (floating point)	X	f _x
3	17	4676927850	34	0.00001076
3	17	5089597950	37	0.00006328
3	17	5502268050	40	0.00000641
3	17	6190051550	45	0.00002356
3	17	6602721650	48	0.00000174
3	17	7015391750	51	0.00029068
3	17	7428061850	54	0.00003594
3	17	7840731950	57	0.00000004
3	17	8528515450	62	0.00000704
3	17	8941185550	65	0.00023344
3	17	9353855650	68	0.00003881
3	17	9766525750	71	0.00002492
3	17	1017919651	74	0.00000337
3	17	1086697951	79	0.00004848
3	17	1127964951	82	0.00000290
3	17	1169232051	85	0.00022328
3	17	1210499051	88	0.00003440
3	17	1251766051	91	0.00000036
3	17	1320544351	96	0.00000252
3	17	1361811351	99	0.00026572
3	17	1403078351	102	0.00007263
3	17	1444345451	105	0.00000520
3	17	1485612451	108	0.00000108
3	17	1554390751	113	0.00008340
3	17	1595657751	116	0.00002668
3	17	1636924751	119	0.00014468
3	17	1678191751	122	0.00002434
3	17	1719458851	125	0.00000092
3	17	1788237151	130	0.00000007
3	17	1829504151	133	0.00026212
3	17	1870771151	136	0.00009665
3	17	1912038151	139	0.00000084
3	17	1953305151	142	0.00000008
3	17	2022083551	147	0.00012428
3	17	2063350551	150	0.00007678
3	17	2104617551	153	0.00007592
3	17	2145884551	156	0.00001106
3	17	2187151551	159	0.00000088
3	17	2255929951	164	0.00000912
3	17	2297196951	167	0.00021692
3	17	2338463951	170	0.00009688
3	17	2379730951	173	0.00000448
3	17	2420997951	176	0.00000010
3	17	2489776351	181	0.00016108
3	17	2531043351	184	0.00014430
3	17	2572310351	187	0.00003456
3	17	2613577351	190	0.00000160
3	17	2654844351	193	0.00000036
3	17	2723622751	198	0.00004667
3	17	2764889751	201	0.00013952
3	17	2806156751	204	0.00006849
3	17	2847423751	207	0.00000756
3	17	2888690751	210	0.00000036
3	17	2957469151	215	0.00017512

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
3	17	2998736151	218	0.00020010
3	17	3040003151	221	0.00002608
3	17	3081270151	224	0.00000078
3	17	3122537151	227	0.00000000
3	17	3191315451	232	0.00013996
3	17	3232582551	235	0.00006292
3	17	3273849551	238	0.00002593
3	17	3315116551	241	0.00000488
3	17	3356383551	244	0.00000019
3	17	3425161851	249	0.00013632
3	17	3466428851	252	0.00018520
3	17	3507695951	255	0.00003260
3	17	3548962951	258	0.00000592
3	17	3590229951	261	0.00000024
3	17	3659008251	266	0.00032948
3	17	3700275251	269	0.00005408
3	17	3741542251	272	0.00001494
3	17	3782809351	275	0.00000100
3	17	3824076351	278	0.00000009
3	18	4098192049	3	0.00001646
3	18	8196384049	6	0.00000360
3	18	1639276850	12	0.00000749
3	18	2049096050	15	0.00011524
3	18	2458915250	18	0.00000193
3	18	2868734450	21	0.00007128
3	18	3278553650	24	0.00000623
3	18	4098192050	30	0.00001124
3	18	4508011250	33	0.00000582
3	18	4917830450	36	0.00024872
3	18	5327649650	39	0.00002548
3	18	5737468850	42	0.00000052
3	18	6557107250	48	0.00000692
3	18	6966926450	51	0.00015992
3	18	7376745650	54	0.00001634
3	18	7786564850	57	0.00003568
3	18	8196384050	60	0.00000405
3	18	9016022450	66	0.00002528
3	18	9425841650	69	0.00000004
3	18	9835660850	72	0.00020988
3	18	1024548051	75	0.00002872
3	18	1065529951	78	0.00000004
3	18	1147493851	84	0.00000432
3	18	1188475751	87	0.00019540
3	18	1229457651	90	0.00004009
3	18	1270439551	93	0.00001252
3	18	1311421451	96	0.00000192
3	18	1393385351	102	0.00004664
3	18	1434367251	105	0.00000626
3	18	1475349151	108	0.00015516
3	18	1516331051	111	0.00002504
3	18	1557313051	114	0.00000044
3	18	1639276851	120	0.00000096
3	18	1680258751	123	0.00021140

n'	n	c _x (floating point)	X	f _x
3	18	1721240651	126	0.00006409
3	18	1762222651	129	0.00000204
3	18	1803204551	132	0.00000051
3	18	1885168351	138	0.00007444
3	18	1926150251	141	0.00002990
3	18	1967132251	144	0.00009748
3	18	2008114151	147	0.00001634
3	18	2049096051	150	0.00000076
3	18	2131059851	156	0.00000059
3	18	2172041851	159	0.00020020
3	18	2213023751	162	0.00007795
3	18	2254005651	165	0.00000108
3	18	2294987551	168	0.00000001
3	18	2376951451	174	0.00010496
3	18	2417933351	177	0.00007136
3	18	2458915251	180	0.00005048
3	18	2499897151	183	0.00000668
3	18	2540879051	186	0.00000060
3	18	2622842951	192	0.00001067
3	18	2663824851	195	0.00016028
3	18	2704806751	198	0.00007343
3	18	2745788651	201	0.00000416
3	18	2868734451	210	0.00013032
3	18	2909716351	213	0.00012206
3	18	2950698251	216	0.00002452
3	18	2991680251	219	0.00000068
3	18	3032662151	222	0.00000020
3	18	3114625951	228	0.00004376
3	18	3155607851	231	0.00010068
3	18	3196589851	234	0.00004945
3	18	3237571751	237	0.00000588
3	18	3278553651	240	0.00000058
3	18	3360517451	246	0.00013688
3	18	3401499451	249	0.00015948
3	18	3442481351	252	0.00002100
3	18	3483463251	255	0.00000090
3	18	3524445151	258	0.00000000
3	18	3606409051	264	0.00011915
3	18	3647390951	267	0.00004640
3	18	3688372851	270	0.00001822
3	18	3729354751	273	0.00000352
3	18	3770336651	276	0.00000013
3	18	3852300551	282	0.00010360
3	18	3893282451	285	0.00014152
3	18	3934264351	288	0.00002548
3	18	3975246251	291	0.00000472
3	18	4016228251	294	0.00000020
3	18	4098192051	300	0.00026469
3	18	4139173951	303	0.00004440
3	18	4180155851	306	0.00001255
3	18	4221137851	309	0.00000088
3	18	4262119751	312	0.00000008
4	5	3148850950	1	0.20040344

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	$c_x(\text{floating point})$	X	f_x
4	5	6297701850	2	0.17246424
4	5	9446552750	3	0.54526364
4	5	1259540451	4	0.36740897
4	5	1574425551	5	0.64494102
4	5	1889310551	6	0.68754254
4	5	2204195651	7	0.55471992
4	5	2519080751	8	0.30999947
4	5	2833965851	9	0.01283636
4	5	3148850951	10	0.01524048
4	5	3463736051	11	0.01229648
4	5	3778621151	12	0.00588440
4	5	4093506251	13	0.00019806
4	5	4408391351	14	0.00036573
4	5	4723276451	15	0.00033212
4	5	5038161451	16	0.00014922
4	5	5353046551	17	0.00000068
4	5	5667931651	18	0.00000208
4	5	5982816751	19	0.00000248
4	5	6297701851	20	0.00000128
4	5	6927472051	22	0.00000001
4	5	7242357151	23	0.00000002
4	5	7557242251	24	0.00000001
4	5	8501897451	27	0.00000000
4	5	8816782551	28	0.00000000
4	5	1007632352	32	0.00000000
4	6	2644430050	2	0.02793655
4	6	5288860050	4	0.09981954
4	6	7933290050	6	0.26287717
4	6	1057772051	8	0.28441544
4	6	1322215051	10	0.23281764
4	6	1586658051	12	0.17528310
4	6	1851101051	14	0.12975310
4	6	2115544051	16	0.12628120
4	6	2379987051	18	0.08012662
4	6	2644430051	20	0.00643782
4	6	2908873051	22	0.00362368
4	6	3173316051	24	0.00041526
4	6	3437759051	26	0.00022050
4	6	3702202051	28	0.00000800
4	6	3966645051	30	0.00000469
4	6	4231088051	32	0.00000016
4	6	4495531051	34	0.00000012
4	6	4759974051	36	0.00000000
4	6	5024417051	38	0.00000000
4	6	5553303051	42	0.00000000
4	7	8997489549	1	0.00420394
4	7	1799497950	2	0.00115559
4	7	2699246950	3	0.05948660
4	7	3598995850	4	0.00723100
4	7	4498744850	5	0.00002780
4	7	5398493750	6	0.02426936
4	7	6298242750	7	0.00686560

n'	n	$c_x(\text{floating point})$	X	f_x
4	7	7197991650	8	0.00095380
4	7	8097740650	9	0.00510580
4	7	8997489550	10	0.00291154
4	7	9897238550	11	0.00846364
4	7	1079698751	12	0.00015858
4	7	1169673651	13	0.00035192
4	7	1259648551	14	0.04159768
4	7	1349623451	15	0.00155226
4	7	1439598351	16	0.00001708
4	7	1529573251	17	0.06381332
4	7	1619548151	18	0.00750913
4	7	1709523051	19	0.00007496
4	7	1799497951	20	0.05879420
4	7	1889472851	21	0.02408002
4	7	1979447751	22	0.00055596
4	7	2069422651	23	0.03014384
4	7	2159397551	24	0.04151889
4	7	2249372451	25	0.00191448
4	7	2339347351	26	0.00001471
4	7	2429322251	27	0.04589300
4	7	2519297151	28	0.00337200
4	7	2609272051	29	0.00009484
4	7	2699246951	30	0.03022755
4	7	2789221751	31	0.00356764
4	7	2879196651	32	0.00027362
4	7	2969171551	33	0.00000140
4	7	3059146451	34	0.00200512
4	7	3149121351	35	0.00035858
4	7	3239096251	36	0.00000656
4	7	3419046051	38	0.00021063
4	7	3509020951	39	0.00001100
4	7	3598995851	40	0.00000010
4	7	3778945651	42	0.00000720
4	7	3868920551	43	0.00000034
4	7	4138845251	46	0.00000030
4	7	4228820151	47	0.00000000
4	7	4498744851	50	0.00000000
4	7	4858644351	54	0.00000000
4	8	2901980850	4	0.01456094
4	8	5803961650	8	0.03372508
4	8	8705942450	12	0.03441762
4	8	1160792351	16	0.02235374
4	8	1450990451	20	0.00971353
4	8	1741188551	24	0.01133436
4	8	2031386651	28	0.02204814
4	8	2321584651	32	0.03141296
4	8	2611782751	36	0.03205722
4	8	2901980851	40	0.02371096
4	8	3192178951	44	0.01798852
4	8	3482377051	48	0.00161636
4	8	3772575051	52	0.00019678
4	8	4062773151	56	0.00000884
4	8	4352971251	60	0.00000047

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
4	8	4643169351	64	0.00000000
4	8	4933367451	68	0.00000000
4	9	6337243749	1	0.00083674
4	9	1901173150	3	0.00001136
4	9	2534897550	4	0.00125901
4	9	3168621950	5	0.01112412
4	9	3802346250	6	0.00021504
4	9	5069795050	8	0.00040256
4	9	5703519350	9	0.00074484
4	9	6337243750	10	0.00377640
4	9	7604692450	12	0.00005620
4	9	8238416850	13	0.00324052
4	9	8872141250	14	0.00006103
4	9	9505865650	15	0.00055336
4	9	1077331451	17	0.00052176
4	9	1140703951	18	0.01161264
4	9	1204076351	19	0.00006874
4	9	1330821251	21	0.00001252
4	9	1394193651	22	0.00202472
4	9	1457566151	23	0.01482888
4	9	1520938551	24	0.00013255
4	9	1647683451	26	0.00003032
4	9	1711055851	27	0.00415086
4	9	1774428251	28	0.01001428
4	9	1901173151	30	0.00000020
4	9	1964545551	31	0.00008544
4	9	2027918051	32	0.00410794
4	9	2091290451	33	0.00314496
4	9	2218035351	35	0.00003140
4	9	2281407751	36	0.00272928
4	9	2344780251	37	0.00197662
4	9	2471525051	39	0.00000448
4	9	2534897551	40	0.00047675
4	9	2598269951	41	0.00757664
4	9	2661642451	42	0.00032499
4	9	2788387251	44	0.00006964
4	9	2851759751	45	0.00314646
4	9	2915132151	46	0.01061508
4	9	3041877051	48	0.00000277
4	9	3105249451	49	0.00041736
4	9	3168621951	50	0.00819644
4	9	3231994351	51	0.00743824
4	9	3358739251	53	0.00002922
4	9	3422111651	54	0.00104772
4	9	3485484051	55	0.01185134
4	9	3612228951	57	0.00000072
4	9	3675601351	58	0.00012460
4	9	3738973851	59	0.00141260
4	9	3802346251	60	0.00915070
4	9	3929091151	62	0.00000488
4	9	3992463551	63	0.00021700
4	9	4055836051	64	0.00092296
4	9	4182580851	66	0.00000011

n'	n	c _x (floating point)	X	f _x
4	9	4245953351	67	0.00001064
4	9	4309325751	68	0.00015640
4	9	4499443051	71	0.00000054
4	9	4562815551	72	0.00000852
4	9	4752932851	75	0.00000000
4	9	4816305251	76	0.00000058
4	9	5069795051	80	0.00000000
4	9	5323284751	84	0.00000000
4	10	1156720750	2	0.00093200
4	10	2313441450	4	0.00400908
4	10	3470162050	6	0.00019873
4	10	4626882750	8	0.00052224
4	10	5783603450	10	0.00888416
4	10	6940324150	12	0.00032430
4	10	8097044850	14	0.00108201
4	10	9253765450	16	0.00772552
4	10	1041048651	18	0.00016780
4	10	1156720751	20	0.00114986
4	10	1272392751	22	0.00339667
4	10	1388064851	24	0.00079068
4	10	1503736951	26	0.00042823
4	10	1619409051	28	0.00079274
4	10	1735081051	30	0.00462104
4	10	1850753151	32	0.00002132
4	10	1966425251	34	0.00092011
4	10	2082097251	36	0.00766256
4	10	2197769351	38	0.00006296
4	10	2313441451	40	0.00250632
4	10	2429113451	42	0.00629343
4	10	2544785551	44	0.00004160
4	10	2660457651	46	0.00312132
4	10	2776129651	48	0.00230826
4	10	2891801751	50	0.00095960
4	10	3007473851	52	0.00187000
4	10	3123145851	54	0.00012839
4	10	3238817951	56	0.00325316
4	10	3354490051	58	0.00043299
4	10	3470162051	60	0.00135430
4	10	3585834151	62	0.00540161
4	10	3701506251	64	0.00021336
4	10	3817178251	66	0.00429486
4	10	3932850351	68	0.00433788
4	10	4048522451	70	0.00063144
4	10	4164194451	72	0.00701360
4	10	4279866551	74	0.00008384
4	10	4395538651	76	0.00095092
4	10	4511210751	78	0.00582008
4	10	4626882751	80	0.00016536
4	10	4742554851	82	0.00066574
4	10	4858226951	84	0.00000932
4	10	4973898951	86	0.00013008
4	10	5089571051	88	0.00000054
4	10	5205243151	90	0.00000816

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	$c_x(\text{floating point})$	X	f_x
4	10	5320915151	92	0.00000000
4	10	5436587251	94	0.00000065
4	10	5667931351	98	0.00000000
4	10	5899275551	102	0.00000000
4	11	5419375149	1	0.00000424
4	11	1625812550	3	0.00028860
4	11	2167750050	4	0.00040395
4	11	3793562650	7	0.00362856
4	11	4335500150	8	0.00017984
4	11	5419375150	10	0.00006884
4	11	5961312650	11	0.00016250
4	11	6503250150	12	0.00002376
4	11	7587125150	14	0.00106800
4	11	8129062750	15	0.00143668
4	11	9754875250	18	0.00000054
4	11	1029681351	19	0.00021522
4	11	1138068851	21	0.00011708
4	11	1192262551	22	0.00453048
4	11	1246456351	23	0.0000288
4	11	1354843851	25	0.00008862
4	11	1409037551	26	0.00071925
4	11	1571618851	29	0.00507216
4	11	1625812551	30	0.00000184
4	11	1734200051	32	0.00007108
4	11	1788393851	33	0.00108600
4	11	1842587551	34	0.00000165
4	11	1950975051	36	0.00273804
4	11	2005168851	37	0.00018632
4	11	2167750051	40	0.00065037
4	11	2221943851	41	0.00005060
4	11	2330331351	43	0.00060932
4	11	2384525051	44	0.00195844
4	11	2438718851	45	0.00000348
4	11	2547106351	47	0.00010828
4	11	2601300051	48	0.00041593
4	11	2763881351	51	0.00411992
4	11	2818075151	52	0.00002800
4	11	2926462651	54	0.00000063
4	11	2980656351	55	0.00148974
4	11	3034850151	56	0.00000051
4	11	3143237651	58	0.00402928
4	11	3197431351	59	0.00005020
4	11	3360012651	62	0.00226028
4	11	3414206351	63	0.00000010
4	11	3522593851	65	0.00169296
4	11	3576787651	66	0.00041700
4	11	3630981351	67	0.00000020
4	11	3739368851	69	0.00160496
4	11	3793562651	70	0.00003214
4	11	3956143851	73	0.00155060
4	11	4010337651	74	0.00001020
4	11	4118725151	76	0.00041910
4	11	4172918851	77	0.00062722

n'	n	$c_x(\text{floating point})$	X	f_x
4	11	4227112651	78	0.00000053
4	11	4335500151	80	0.00296620
4	11	4389693851	81	0.00011412
4	11	4552275151	84	0.00241046
4	11	4606468851	85	0.00000924
4	11	4714856351	87	0.00267772
4	11	4769050151	88	0.00039556
4	11	4823243851	89	0.00000028
4	11	4931631351	91	0.00441500
4	11	4985825151	92	0.00005706
4	11	5148406351	95	0.00066128
4	11	5202600151	96	0.00000292
4	11	5310987651	98	0.00391500
4	11	5365181351	99	0.00012638
4	11	5419375151	100	0.00000008
4	11	5527762651	102	0.00049404
4	11	5581956451	103	0.00000796
4	11	5744537651	106	0.00010771
4	11	5798731451	107	0.00000052
4	11	5961312651	110	0.00000752
4	11	6015506451	111	0.00000000
4	11	6178087651	114	0.00000067
4	11	6394862651	118	0.00000000
4	11	6611637651	122	0.00000000
4	12	2065961050	4	0.00196536
4	12	4131922050	8	0.00028432
4	12	6197883050	12	0.00358676
4	12	8263844050	16	0.00054646
4	12	1032980551	20	0.00292396
4	12	1239576651	24	0.00037905
4	12	1446172751	28	0.00159256
4	12	1652768851	32	0.00014559
4	12	1859364951	36	0.00249300
4	12	2065961051	40	0.00044574
4	12	2272557151	44	0.00328408
4	12	2479153251	48	0.00090177
4	12	2685749351	52	0.00216024
4	12	2892345451	56	0.00071248
4	12	3098941551	60	0.00143276
4	12	3305537651	64	0.00038190
4	12	3512133751	68	0.00232024
4	12	3718729851	72	0.00089490
4	12	3925325951	76	0.00268708
4	12	4131922051	80	0.00161570
4	12	4338518151	84	0.00147748
4	12	4545114251	88	0.00133062
4	12	4751710351	92	0.00081348
4	12	4958306451	96	0.00070539
4	12	5164902551	100	0.00179332
4	12	5371498651	104	0.00143176
4	12	5578094751	108	0.00199876
4	12	5784690851	112	0.00295249
4	12	5991286951	116	0.00047460

Table III. PARTIAL f -VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	$c_x(\text{floating point})$	X	f_x
4	12	6197883051	120	0.00284812
4	12	6404479151	124	0.00038200
4	12	6611075251	128	0.00008970
4	12	6817671351	132	0.00000680
4	12	7024267451	136	0.00000066
4	12	7230863551	140	0.00000004
4	12	7437459651	144	0.00000000
4	13	4979063149	1	0.00000180
4	13	1991625250	4	0.00017267
4	13	2489531650	5	0.00012876
4	13	3983250550	8	0.00009092
4	13	4481156850	9	0.00155032
4	13	5974875750	12	0.00001170
4	13	6472782050	13	0.00005018
4	13	6970688350	14	0.00002870
4	13	8464407350	17	0.00073268
4	13	8962313650	18	0.00040756
4	13	1045603351	21	0.00010450
4	13	1095393951	22	0.00000746
4	13	1244765851	25	0.00000084
4	13	1294556451	26	0.00214660
4	13	1344347051	27	0.00003512
4	13	1493718951	30	0.00031222
4	13	1543509651	31	0.00006286
4	13	1692881551	34	0.00000320
4	13	1742672151	35	0.00217564
4	13	1892044051	38	0.00000182
4	13	1941834651	39	0.00036814
4	13	1991625251	40	0.00003548
4	13	2140997151	43	0.00017864
4	13	2190787851	44	0.00098888
4	13	2340159751	47	0.00004046
4	13	2389950351	48	0.00013065
4	13	2539322251	51	0.00000188
4	13	2589112851	52	0.00123096
4	13	2638903451	53	0.00016816
4	13	2788275351	56	0.00025345
4	13	2838066051	57	0.00000126
4	13	2987437951	60	0.00000808
4	13	3037228551	61	0.00212152
4	13	3186600451	64	0.00000001
4	13	3236391051	65	0.00064702
4	13	3286181651	66	0.00001271
4	13	3435553551	69	0.00001212
4	13	3485344251	70	0.00160904
4	13	3634716151	73	0.00000342
4	13	3684506751	74	0.00065075
4	13	3833878651	77	0.00000060
4	13	3883669251	78	0.00042196
4	13	3933459851	79	0.00047788
4	13	4082831751	82	0.00008500
4	13	4132622451	83	0.00024254
4	13	4281994351	86	0.00001080

n'	n	$c_x(\text{floating point})$	X	f_x
4	13	4331784951	87	0.00133396
4	13	4481156851	90	0.00000037
4	13	4530947451	91	0.00053880
4	13	4580738151	92	0.00001527
4	13	4730109951	95	0.00004144
4	13	4779900651	96	0.00176616
4	13	4929272551	99	0.00000176
4	13	4979063151	100	0.00115373
4	13	5128435051	103	0.00000000
4	13	5178225651	104	0.00014120
4	13	5228016351	105	0.00094032
4	13	5377388151	108	0.00000094
4	13	5427178851	109	0.00107434
4	13	5576550751	112	0.00000144
4	13	5626341351	113	0.00045924
4	13	5775713251	116	0.00000010
4	13	5825503851	117	0.00015900
4	13	5875294551	118	0.00036116
4	13	6024666451	121	0.00003640
4	13	6074457051	122	0.00105956
4	13	6223828951	125	0.00000308
4	13	6273619551	126	0.00088090
4	13	6422991451	129	0.00000012
4	13	6472782051	130	0.00017024
4	13	6522572751	131	0.00117904
4	13	6671944651	134	0.00002761
4	13	6721735251	135	0.00199494
4	13	6871107151	138	0.00000168
4	13	6920897751	139	0.00034520
4	13	7070269651	142	0.00000005
4	13	7120060251	143	0.00007548
4	13	7169850951	144	0.00199881
4	13	7319222851	147	0.00000552
4	13	7369013451	148	0.00029072
4	13	7518385351	151	0.00000042
4	13	7568175951	152	0.00007419
4	13	7717547851	155	0.00000000
4	13	7767338451	156	0.00000604
4	13	7966501051	160	0.00000063
4	13	8165663551	164	0.00000004
4	13	8364826051	168	0.00000000
4	14	9677300249	2	0.00001401
4	14	1935460050	4	0.00080700
4	14	2903190150	6	0.00014768
4	14	3870920150	8	0.00008990
4	14	4838650150	10	0.00005573
4	14	5806380150	12	0.00000000
4	14	6774110150	14	0.00173300
4	14	7741840250	16	0.00000684
4	14	8709570250	18	0.00018056
4	14	9677300250	20	0.00007774
4	14	1064503051	22	0.00002252
4	14	1161276051	24	0.00132876

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	$c_x(\text{floating point})$	X	f_x
4	14	1258049051	26	0.00000435
4	14	1354822051	28	0.00011390
4	14	1451595051	30	0.00002425
4	14	1548368051	32	0.00032312
4	14	1645141051	34	0.00043720
4	14	1741914051	36	0.00005566
4	14	1838687051	38	0.00000475
4	14	1935460051	40	0.00000112
4	14	2032233051	42	0.00128596
4	14	2129006051	44	0.00004888
4	14	2225779051	46	0.00022169
4	14	2322552051	48	0.00001980
4	14	2419325151	50	0.00000076
4	14	2516098151	52	0.00159172
4	14	2612871151	54	0.00000038
4	14	2709644151	56	0.00034736
4	14	2806417151	58	0.00002203
4	14	2903190151	60	0.00006024
4	14	2999963151	62	0.00085656
4	14	3096736151	64	0.00001658
4	14	3193509151	66	0.00018454
4	14	3290282151	68	0.00000112
4	14	3387055151	70	0.00066328
4	14	3483828151	72	0.00017044
4	14	3580601151	74	0.00014482
4	14	3677374151	76	0.00001648
4	14	3774147151	78	0.00000764
4	14	3870920151	80	0.00138492
4	14	3967693151	82	0.00000008
4	14	4064466151	84	0.00046646
4	14	4161239151	86	0.00000340
4	14	4258012151	88	0.00000888
4	14	4354785151	90	0.00121492
4	14	4451558151	92	0.00000052
4	14	4548331151	94	0.00056605
4	14	4645104151	96	0.00000024
4	14	4741877151	98	0.00021652
4	14	4838650151	100	0.00040700
4	14	4935423151	102	0.00003790
4	14	5032196151	104	0.00026058
4	14	5128969151	106	0.00000624
4	14	5225742151	108	0.00079948
4	14	5322515151	110	0.00000025
4	14	5419288151	112	0.00033118
4	14	5516061151	114	0.00002611
4	14	5612834151	116	0.00003236
4	14	5709607151	118	0.00120780
4	14	5806380151	120	0.00000184
4	14	5903153151	122	0.00082982
4	14	5999926151	124	0.00000000
4	14	6096699151	126	0.00009960
4	14	6193472151	128	0.00071392
4	14	6290245151	130	0.00000069
4	14	6387018151	132	0.00086674

n'	n	$c_x(\text{floating point})$	X	f_x
4	14	6483791151	134	0.00000052
4	14	6580564151	136	0.00028112
4	14	6677337151	138	0.00000004
4	14	6774110151	140	0.00008610
4	14	6870883151	142	0.00032126
4	14	6967656151	144	0.00002152
4	14	7064429151	146	0.00067628
4	14	7161202151	148	0.00000180
4	14	7257975251	150	0.00056358
4	14	7354748251	152	0.00000008
4	14	7451521251	154	0.00011604
4	14	7548294251	156	0.00082352
4	14	7645067251	158	0.00001962
4	14	7741840251	160	0.00140826
4	14	7838613251	162	0.00000124
4	14	7935386251	164	0.00025728
4	14	8032159251	166	0.00000004
4	14	8128932251	168	0.00005912
4	14	8225705251	170	0.00149229
4	14	8322478251	172	0.00000464
4	14	8419251251	174	0.00022896
4	14	8516024251	176	0.00000036
4	14	8612797251	178	0.00006196
4	14	8709570251	180	0.00000000
4	14	8806343251	182	0.00000536
4	14	8999889251	186	0.00000060
4	14	9193435251	190	0.00000004
4	14	9386981251	194	0.00000000
4	15	1418896750	3	0.00000084
4	15	1891862350	4	0.00008724
4	15	3310759150	7	0.00006682
4	15	3783724650	8	0.00005064
4	15	5202621450	11	0.00077820
4	15	5675587050	12	0.0000642
4	15	7094483750	15	0.00001914
4	15	8513380450	18	0.00001405
4	15	8986346050	19	0.00041352
4	15	1040524351	22	0.00018672
4	15	1087820851	23	0.00005690
4	15	1229710551	26	0.00000949
4	15	1277007151	27	0.00000028
4	15	1418896751	30	0.00115332
4	15	1560786451	33	0.00001308
4	15	1608083051	34	0.00015561
4	15	1749972651	37	0.00004120
4	15	1797269251	38	0.00000428
4	15	1939158951	41	0.00108100
4	15	1986455451	42	0.00000151
4	15	2128345151	45	0.00014840
4	15	2270234851	48	0.00001871
4	15	2317531351	49	0.00014048
4	15	2459421051	52	0.00042820
4	15	2506717651	53	0.00002860

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
4	15	2648607251	56	0.00002889
4	15	2695903851	57	0.00000096
4	15	2837793551	60	0.00077372
4	15	2979683251	63	0.00005832
4	15	3026979751	64	0.00014970
4	15	3168869451	67	0.00000296
4	15	3216165951	68	0.00000204
4	15	3358055651	71	0.00115084
4	15	3405352251	72	0.00000004
4	15	3547241951	75	0.00029786
4	15	3689131551	78	0.00001256
4	15	3736428151	79	0.00001960
4	15	3878317851	82	0.00071964
4	15	3925614351	83	0.00000644
4	15	4067504051	86	0.00020801
4	15	4114800551	87	0.00000060
4	15	4256690251	90	0.00036672
4	15	4398579951	93	0.00016396
4	15	4445876551	94	0.00008196
4	15	4587766151	97	0.00003600
4	15	4635062751	98	0.00000612
4	15	4776952451	101	0.00091524
4	15	4824248951	102	0.00000012
4	15	4966138651	105	0.00033142
4	15	5108028351	108	0.00000026
4	15	5155324851	109	0.00000980
4	15	5297214551	112	0.00091796
4	15	5344511151	113	0.00000000
4	15	5486400751	116	0.00047464
4	15	5533697351	117	0.00000008
4	15	5675587051	120	0.00012020
4	15	5817476651	123	0.00034308
4	15	5864773251	124	0.00001643
4	15	6006662951	127	0.00025828
4	15	6053959451	128	0.00000356
4	15	6195849151	131	0.00049480
4	15	6243145751	132	0.00000016
4	15	6385035351	135	0.00020680
4	15	6526925051	138	0.00003436
4	15	6574221651	139	0.00002436
4	15	6716111251	142	0.00084244
4	15	6763407851	143	0.00000164
4	15	6905297551	146	0.00060239
4	15	6952594051	147	0.00000000
4	15	7094483751	150	0.00007464
4	15	7236373451	153	0.00054876
4	15	7283669951	154	0.00000150
4	15	7425559651	157	0.00069924
4	15	7472856251	158	0.00000016
4	15	7614745851	161	0.00018432
4	15	7662042451	162	0.00000001
4	15	7803932151	165	0.00004898
4	15	7945821751	168	0.00028249
4	15	7993118351	169	0.00001308

n'	n	c _x (floating point)	X	f _x
4	15	8135008051	172	0.00044728
4	15	8182304551	173	0.00000106
4	15	8324194251	176	0.00037158
4	15	8371490851	177	0.00000004
4	15	8513380451	180	0.00008076
4	15	8655270151	183	0.00059068
4	15	8702566751	184	0.00001413
4	15	8844456351	187	0.00101964
4	15	8891752951	188	0.00000096
4	15	9033642651	191	0.00019504
4	15	9080939151	192	0.00000003
4	15	9222828851	195	0.00004674
4	15	9364718551	198	0.00113941
4	15	9412015051	199	0.00000380
4	15	9553904751	202	0.00018292
4	15	9601201351	203	0.00000032
4	15	9743090951	206	0.00005203
4	15	9790387551	207	0.00000000
4	15	9932277251	210	0.00000472
4	15	1012146352	214	0.00000055
4	15	1031065052	218	0.00000004
4	15	1049983652	222	0.00000000
4	16	1857267850	4	0.00045299
4	16	3714535550	8	0.00012640
4	16	5571803350	12	0.00003377
4	16	7429071050	16	0.00095024
4	16	9286338850	20	0.00009680
4	16	1114360751	24	0.00006048
4	16	1300087451	28	0.00069904
4	16	1485814251	32	0.00004776
4	16	1671541051	36	0.00022215
4	16	1857267851	40	0.00024062
4	16	2042994551	44	0.00000054
4	16	2228721351	48	0.00076048
4	16	2414448151	52	0.00014100
4	16	2600174951	56	0.00001912
4	16	2785901651	60	0.00085459
4	16	2971628451	64	0.00015610
4	16	3157355251	68	0.00007334
4	16	3343082051	72	0.00041140
4	16	3528808751	76	0.00005486
4	16	3714535551	80	0.00046972
4	16	3900262351	84	0.00016193
4	16	4085989151	88	0.00000292
4	16	4271715851	92	0.00082936
4	16	4457442651	96	0.00024262
4	16	4643169451	100	0.0001325
4	16	4828896251	104	0.00059660
4	16	5014623051	108	0.00020988
4	16	5200349751	112	0.00020852
4	16	5386076551	116	0.00019874
4	16	5571803351	120	0.00005690
4	16	5757530151	124	0.00061344

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
4	16	5943256851	128	0.00023430
4	16	6128983651	132	0.00001063
4	16	6314710451	136	0.00069646
4	16	6500437251	140	0.00039018
4	16	6686163951	144	0.00007280
4	16	6871890751	148	0.00029465
4	16	7057617551	152	0.00024636
4	16	7243344351	156	0.00031586
4	16	7429071051	160	0.00013118
4	16	7614797851	164	0.00005772
4	16	7800524651	168	0.00059972
4	16	7986251451	172	0.00044188
4	16	8171978151	176	0.00005780
4	16	8357704951	180	0.00042901
4	16	8543431751	184	0.00056582
4	16	8729158551	188	0.00012832
4	16	8914885251	192	0.00002938
4	16	9100612051	196	0.00025514
4	16	9286338851	200	0.00030588
4	16	9472065651	204	0.00025149
4	16	9657792451	208	0.00005724
4	16	9843519151	212	0.00044366
4	16	1002924652	216	0.00075512
4	16	1021497352	220	0.00015010
4	16	1040069952	224	0.00003728
4	16	1058642652	228	0.00088977
4	16	1077215352	232	0.00014828
4	16	1095788052	236	0.00004392
4	16	1114360752	240	0.00000416
4	16	1132933352	244	0.00000051
4	16	1151506052	248	0.00000004
4	16	1170078752	252	0.00000000
4	17	1829310650	4	0.00004919
4	17	2286638350	5	0.00000044
4	17	3658621350	8	0.00003044
4	17	4115948950	9	0.00003836
4	17	5487931950	12	0.00000382
4	17	5945259650	13	0.00043516
4	17	7774570250	17	0.00000844
4	17	9603880950	21	0.00025148
4	17	1006120951	22	0.00000767
4	17	1143319251	25	0.00003366
4	17	1189051951	26	0.00009684
4	17	1326250251	29	0.00000012
4	17	1371983051	30	0.00000870
4	17	1554914051	34	0.00067676
4	17	1737845151	38	0.00008569
4	17	1783577951	39	0.00000568
4	17	1920776251	42	0.00000420
4	17	1966508951	43	0.00002712
4	17	2103707251	46	0.00000116
4	17	2149440051	47	0.00059548
4	17	2332371151	51	0.00006774

n'	n	c _x (floating point)	X	f _x
4	17	2515302151	55	0.00010496
4	17	2561034951	56	0.00001054
4	17	2698233251	59	0.00001984
4	17	2743966051	60	0.00021068
4	17	2881164351	63	0.00000052
4	17	2926897051	64	0.00000616
4	17	3109828151	68	0.00050044
4	17	3292759251	72	0.00009075
4	17	3338491951	73	0.00002376
4	17	3475690251	76	0.00000044
4	17	3521423051	77	0.00000646
4	17	3658621351	80	0.00000012
4	17	3704354051	81	0.00066396
4	17	3887285151	85	0.00014740
4	17	4070216251	89	0.00002480
4	17	4115948951	90	0.00000918
4	17	4253147251	93	0.00000692
4	17	4298880051	94	0.00035600
4	17	4436078351	97	0.00000048
4	17	4481811151	98	0.00007240
4	17	4664742151	102	0.00028852
4	17	4847673251	106	0.00006361
4	17	4893406051	107	0.0006536
4	17	5030604351	110	0.00000288
4	17	5076337051	111	0.00000368
4	17	5213535351	114	0.00000002
4	17	5259268151	115	0.00059864
4	17	5442199251	119	0.00019198
4	17	5625130251	123	0.00000352
4	17	5670863051	124	0.00000283
4	17	5808061351	127	0.00000068
4	17	5853794051	128	0.00048624
4	17	5990992351	131	0.00000016
4	17	6036725151	132	0.00019807
4	17	6219656251	136	0.00012236
4	17	6402587251	140	0.00002567
4	17	6448320051	141	0.00013920
4	17	6585518351	144	0.00000312
4	17	6631251151	145	0.00006368
4	17	6768449451	148	0.00000010
4	17	6814182151	149	0.00041700
4	17	6997113251	153	0.00016564
4	17	7180044351	157	0.00000992
4	17	7225777051	158	0.00000171
4	17	7362975351	161	0.00000026
4	17	7408708151	162	0.00053148
4	17	7545906451	165	0.00000000
4	17	7591639251	166	0.00031734
4	17	7774570251	170	0.00004812
4	17	7957501351	174	0.00000256
4	17	8003234151	175	0.00024124
4	17	8140432351	178	0.00000108
4	17	8186165151	179	0.00022470
4	17	8323363451	182	0.00000006

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
4	17	8369096251	183	0.00020768
4	17	8552027251	187	0.00008446
4	17	8734958351	191	0.00001312
4	17	8780691151	192	0.00004274
4	17	8917889451	195	0.00000106
4	17	8963622151	196	0.00043220
4	17	9100820451	199	0.00000004
4	17	9146553251	200	0.00032752
4	17	9329484351	204	0.00004560
4	17	9512415351	208	0.00000252
4	17	9558148151	209	0.00033568
4	17	9695346451	212	0.00000000
4	17	9741079251	213	0.00045986
4	17	9878277551	216	0.00000000
4	17	9924010251	217	0.00009392
4	17	1010694152	221	0.00001870
4	17	1028987252	225	0.00000520
4	17	1033560552	226	0.00021543
4	17	1047280352	229	0.00000038
4	17	1051853652	230	0.00021428
4	17	1065573452	233	0.00000004
4	17	1070146752	234	0.00017412
4	17	1088439852	238	0.00004136
4	17	1106732952	242	0.00000762
4	17	1111306252	243	0.00032420
4	17	1125026052	246	0.00000056
4	17	1129599352	247	0.00056860
4	17	1143319252	250	0.00000002
4	17	1147892452	251	0.00011708
4	17	1166185552	255	0.00002998
4	17	1184478652	259	0.00000264
4	17	1189051952	260	0.00070120
4	17	1202771752	263	0.00000024
4	17	1207345052	264	0.00012108
4	17	1221064952	267	0.00000000
4	17	1225638152	268	0.00003728
4	17	1243931252	272	0.00000368
4	17	1262224352	276	0.00000046
4	17	1280517452	280	0.00000000
4	17	1298810652	284	0.00000000
4	18	1806365650	4	0.00026704
4	18	2709548450	6	0.00000439
4	18	3612731250	8	0.00002944
4	18	4515914050	10	0.00004412
4	18	5419096850	12	0.00000000
4	18	6322279650	14	0.00002171
4	18	8128645250	18	0.00056708
4	18	9935010850	22	0.00005363
4	18	1083819451	24	0.00000144
4	18	1174137651	26	0.00001120
4	18	1264455951	28	0.00002746
4	18	1354774251	30	0.00000187
4	18	1445092551	32	0.00040020

n'	n	c _x (floating point)	X	f _x
4	18	1625729051	36	0.00002250
4	18	1806365651	40	0.00014052
4	18	1896683951	42	0.00000717
4	18	1987002251	44	0.00002194
4	18	2077320451	46	0.00010880
4	18	2167638751	48	0.00000024
4	18	2257957051	50	0.00000050
4	18	2438593651	54	0.00047700
4	18	2619230151	58	0.00007177
4	18	2709548451	60	0.00000844
4	18	2799866751	62	0.00000080
4	18	2890185051	64	0.00001484
4	18	2980503251	66	0.00000045
4	18	3070821551	68	0.00049536
4	18	3251458151	72	0.00007696
4	18	3432094651	76	0.00005188
4	18	3522412951	78	0.00000832
4	18	3612731251	80	0.00001124
4	18	3703049551	82	0.00020420
4	18	3793367851	84	0.00000044
4	18	3883686051	86	0.00001673
4	18	4064322651	90	0.00033012
4	18	4244959251	94	0.00006547
4	18	4335277451	96	0.00002716
4	18	4425595751	98	0.00000096
4	18	4515914051	100	0.00000118
4	18	4606232351	102	0.00000002
4	18	4696550651	104	0.00051180
4	18	4877187151	108	0.00013086
4	18	5057823751	112	0.00001004
4	18	5148142051	114	0.00000589
4	18	5238460251	116	0.00000322
4	18	5328778551	118	0.00031224
4	18	5419096851	120	0.00000028
4	18	5509415151	122	0.00008258
4	18	5690051651	126	0.00017968
4	18	5870688251	130	0.00004072
4	18	5961006551	132	0.00006468
4	18	6051324851	134	0.00000256
4	18	6141643051	136	0.00000938
4	18	6231961351	138	0.00000004
4	18	6322279651	140	0.00043396
4	18	6502916251	144	0.00014938
4	18	6683552751	148	0.00000312
4	18	6773871051	150	0.00000093
4	18	6864189351	152	0.00000014
4	18	6954507651	154	0.00039600
4	18	7044825851	156	0.00000008
4	18	7135144151	158	0.00018012
4	18	7315780751	162	0.00007452
4	18	7496417251	166	0.00001414
4	18	7586735551	168	0.00012516
4	18	7677053851	170	0.00000216
4	18	7767372151	172	0.00007018

Table III. PARTIAL f-VALUES FOR EACH DISPLACEMENT FACTOR

n'	n	c _x (floating point)	X	f _x
4	18	7857690451	174	0.000000008
4	18	7948008651	176	0.00028776
4	18	8128645251	180	0.00011746
4	18	8309281851	184	0.00000888
4	18	8399600051	186	0.00000362
4	18	8489918351	188	0.00000036
4	18	8580236651	190	0.00040840
4	18	8670554951	192	0.00000000
4	18	8760873251	194	0.00025685
4	18	8941509751	198	0.00003436
4	18	9122146351	202	0.00000085
4	18	9212464651	204	0.00020232
4	18	9302782851	206	0.00000060
4	18	9393101151	208	0.00020296
4	18	9483419451	210	0.00000004
4	18	9573737751	212	0.00014060
4	18	9754374251	216	0.00005520
4	18	9935010851	220	0.00000960
4	18	1002532952	222	0.00004386
4	18	1011564752	224	0.00000082
4	18	1020596652	226	0.00031704
4	18	1029628452	228	0.00000004
4	18	1038660252	230	0.00024535
4	18	1056723952	234	0.00003636
4	18	1074787552	238	0.00000263
4	18	1083819452	240	0.00026676
4	18	1092851252	242	0.00000004
4	18	1101883052	244	0.00037576

n'	n	c _x (floating point)	X	f _x
4	18	1110914852	246	0.00000000
4	18	1119946752	248	0.00007156
4	18	1138010352	252	0.00001266
4	18	1156074052	256	0.00000344
4	18	1165105852	258	0.00018787
4	18	1174137652	260	0.00000022
4	18	1183169552	262	0.00015420
4	18	1192201352	264	0.00000000
4	18	1201233152	266	0.00012308
4	18	1219296852	270	0.00003024
4	18	1237360452	274	0.00000570
4	18	1246392352	276	0.00024668
4	18	1255424152	278	0.00000044
4	18	1264455952	280	0.00043562
4	18	1273487752	282	0.00000001
4	18	1282519652	284	0.00009244
4	18	1300583252	288	0.00002432
4	18	1318646952	292	0.00000224
4	18	1327678752	294	0.00056244
4	18	1336710552	296	0.00000020
4	18	1345742452	298	0.00010008
4	18	1354774252	300	0.00000000
4	18	1363806052	302	0.00003182
4	18	1381869752	306	0.00000324
4	18	1399933352	310	0.00000042
4	18	1417997052	314	0.00000000
4	18	1436060752	318	0.00000000

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
1	2	0.005	6.938	08	1	2	9.000	4.154	00	1	3	0.180	1.307	05
1	2	0.010	1.082	08	1	2	10.000	3.192	00	1	3	0.190	1.141	05
1	2	0.015	3.803	07	1	2	12.000	2.023	00	1	3	0.200	1.004	05
1	2	0.020	1.828	07	1	2	14.000	1.376	00	1	3	0.220	7.909	04
1	2	0.025	1.039	07	1	2	16.000	9.857	-01	1	3	0.240	6.361	04
1	2	0.030	6.561	06	1	2	18.000	7.343	-01	1	3	0.260	5.207	04
1	2	0.035	4.451	06	1	2	20.000	5.642	-01	1	3	0.280	4.326	04
1	2	0.040	3.181	06	1	2	25.000	3.230	-01	1	3	0.300	3.640	04
1	2	0.050	1.817	06	1	2	30.000	2.048	-01	1	3	0.350	2.475	04
1	2	0.060	1.150	06	1	2	35.000	1.393	-01	1	3	0.400	1.773	04
1	2	0.070	7.814	05	1	2	40.000	9.974	-02	1	3	0.450	1.320	04
1	2	0.080	5.593	05	1	2	45.000	7.430	-02	1	3	0.500	1.015	04
1	2	0.090	4.164	05	1	2	50.000	5.710	-02	1	3	0.600	6.431	03
1	2	0.100	3.199	05	1	2	60.000	3.620	-02	1	3	0.700	4.374	03
1	2	0.110	2.520	05	1	2	70.000	2.462	-02	1	3	0.800	3.132	03
1	2	0.120	2.027	05	1	2	80.000	1.763	-02	1	3	0.900	2.333	03
1	2	0.130	1.659	05	1	2	90.000	1.313	-02	1	3	1.000	1.793	03
1	2	0.140	1.378	05	1	2	100.000	1.009	-02	1	3	1.200	1.137	03
1	2	0.150	1.160	05	1	2	110.000	7.953	-03	1	3	1.400	7.731	02
1	2	0.160	9.867	04	1	2	120.000	6.398	-03	1	3	1.600	5.536	02
1	2	0.170	8.479	04	1	2	130.000	5.238	-03	1	3	1.800	4.124	02
1	2	0.180	7.349	04	1	2	140.000	4.352	-03	1	3	2.000	3.169	02
1	2	0.190	6.420	04	1	2	150.000	3.663	-03	1	3	2.500	1.814	02
1	2	0.200	5.647	04	1	2	160.000	3.117	-03	1	3	3.000	1.150	02
1	2	0.220	4.449	04	1	2	170.000	2.679	-03	1	3	3.500	7.822	01
1	2	0.240	3.579	04	1	2	180.000	2.322	-03	1	3	4.000	5.602	01
1	2	0.260	2.930	04	1	2	190.000	2.028	-03	1	3	4.500	4.173	01
1	2	0.280	2.434	04	1	2	200.000	1.784	-03	1	3	5.000	3.207	01
1	2	0.300	2.048	04	1	2	210.000	1.579	-03	1	3	5.500	2.527	01
1	2	0.350	1.393	04	1	2	220.000	1.406	-03	1	3	6.000	2.033	01
1	2	0.400	9.977	03	1	2	230.000	1.258	-03	1	3	6.500	1.664	01
1	2	0.450	7.432	03	1	2	240.000	1.131	-03	1	3	7.000	1.383	01
1	2	0.500	5.711	03						1	3	8.000	9.903	00
1	2	0.600	3.620	03	1	3	0.005	1.517	09	1	3	9.000	7.377	00
1	2	0.700	2.462	03	1	3	0.010	2.103	08	1	3	10.000	5.669	00
1	2	0.800	1.763	03	1	3	0.015	7.094	07	1	3	12.000	3.594	00
1	2	0.900	1.314	03	1	3	0.020	3.352	07	1	3	14.000	2.444	00
1	2	1.000	1.009	03	1	3	0.025	1.888	07	1	3	16.000	1.751	00
1	2	1.200	6.399	02	1	3	0.030	1.186	07	1	3	18.000	1.304	00
1	2	1.400	4.352	02	1	3	0.035	8.013	06	1	3	20.000	1.002	00
1	2	1.600	3.117	02	1	3	0.040	5.714	06	1	3	25.000	5.736	-01
1	2	1.800	2.322	02	1	3	0.050	3.252	06	1	3	30.000	3.637	-01
1	2	2.000	1.784	02	1	3	0.060	2.055	06	1	3	35.000	2.474	-01
1	2	2.500	1.021	02	1	3	0.070	1.395	06	1	3	40.000	1.771	-01
1	2	3.000	6.475	01	1	3	0.080	9.972	05	1	3	45.000	1.320	-01
1	2	3.500	4.404	01	1	3	0.090	7.420	05	1	3	50.000	1.014	-01
1	2	4.000	3.154	01	1	3	0.100	5.697	05	1	3	60.000	6.429	-02
1	2	4.500	2.350	01	1	3	0.110	4.486	05	1	3	70.000	4.373	-02
1	2	5.000	1.806	01	1	3	0.120	3.607	05	1	3	80.000	3.132	-02
1	2	5.500	1.423	01	1	3	0.130	2.952	05	1	3	90.000	2.333	-02
1	2	6.000	1.145	01	1	3	0.140	2.452	05	1	3	100.000	1.793	-02
1	2	6.500	9.370	00	1	3	0.150	2.063	05	1	3	110.000	1.413	-02
1	2	7.000	7.785	00	1	3	0.160	1.755	05	1	3	120.000	1.136	-02
1	2	8.000	5.576	00	1	3	0.170	1.508	05	1	3	130.000	9.303	-03

Table IV. THE STARK BROADENING FUNCTIONS, $S(a)$

n'	n	a	$S(a)$		n'	n	a	$S(a)$		n'	n	a	$S(a)$	
1	3	140.000	7.730	-03	1	4	2.000	9.598	02	1	5	0.060	9.359	06
1	3	150.000	6.505	-03	1	4	2.500	5.494	02	1	5	0.070	6.294	06
1	3	160.000	5.536	-03	1	4	3.000	3.483	02	1	5	0.080	4.472	06
1	3	170.000	4.757	-03	1	4	3.500	2.369	02	1	5	0.090	3.313	06
1	3	180.000	4.124	-03	1	4	4.000	1.696	02	1	5	0.100	2.534	06
1	3	190.000	3.603	-03	1	4	4.500	1.264	02	1	5	0.110	1.990	06
1	3	200.000	3.169	-03	1	4	5.000	9.711	01	1	5	0.120	1.597	06
1	3	210.000	2.805	-03	1	4	5.500	7.652	01	1	5	0.130	1.304	06
1	3	220.000	2.497	-03	1	4	6.000	6.156	01	1	5	0.140	1.082	06
1	3	230.000	2.234	-03	1	4	6.500	5.040	01	1	5	0.150	9.092	05
1	3	240.000	2.009	-03	1	4	7.000	4.187	01	1	5	0.160	7.727	05
1	4	0.005	5.106	09	1	4	8.000	2.999	01	1	5	0.170	6.633	05
1	4	0.010	8.052	08	1	4	9.000	2.234	01	1	5	0.180	5.745	05
1	4	0.015	2.471	08	1	4	10.000	1.717	01	1	5	0.190	5.014	05
1	4	0.020	1.113	08	1	4	12.000	1.088	01	1	5	0.200	4.408	05
1	4	0.025	6.106	07	1	4	14.000	7.402	00	1	5	0.220	3.469	05
1	4	0.030	3.774	07	1	4	16.000	5.301	00	1	5	0.240	2.788	05
1	4	0.035	2.525	07	1	4	18.000	3.949	00	1	5	0.260	2.281	05
1	4	0.040	1.787	07	1	4	20.000	3.035	00	1	5	0.280	1.894	05
1	4	0.050	1.008	07	1	4	25.000	1.737	00	1	5	0.300	1.593	05
1	4	0.060	6.333	06	1	4	30.000	1.101	00	1	5	0.350	1.082	05
1	4	0.070	4.282	06	1	4	35.000	7.490	-01	1	5	0.400	7.747	04
1	4	0.080	3.054	06	1	4	40.000	5.365	-01	1	5	0.450	5.768	04
1	4	0.090	2.269	06	1	4	45.000	3.996	-01	1	5	0.500	4.431	04
1	4	0.100	1.739	06	1	4	50.000	3.071	-01	1	5	0.600	2.807	04
1	4	0.110	1.368	06	1	4	60.000	1.947	-01	1	5	0.700	1.909	04
1	4	0.120	1.099	06	1	4	70.000	1.324	-01	1	5	0.800	1.367	04
1	4	0.130	8.988	05	1	4	80.000	9.483	-02	1	5	0.900	1.018	04
1	4	0.140	7.461	05	1	4	90.000	7.064	-02	1	5	1.000	7.821	03
1	4	0.150	6.274	05	1	4	100.000	5.428	-02	1	5	1.200	4.957	03
1	4	0.160	5.336	05	1	4	110.000	4.278	-02	1	5	1.400	3.371	03
1	4	0.170	4.583	05	1	4	120.000	3.441	-02	1	5	1.600	2.414	03
1	4	0.180	3.971	05	1	4	130.000	2.817	-02	1	5	1.800	1.798	03
1	4	0.190	3.467	05	1	4	140.000	2.341	-02	1	5	2.000	1.382	03
1	4	0.200	3.049	05	1	4	150.000	1.970	-02	1	5	2.500	7.909	02
1	4	0.220	2.401	05	1	4	160.000	1.676	-02	1	5	3.000	5.014	02
1	4	0.240	1.931	05	1	4	170.000	1.441	-02	1	5	3.500	3.410	02
1	4	0.260	1.580	05	1	4	180.000	1.249	-02	1	5	4.000	2.442	02
1	4	0.280	1.312	05	1	4	190.000	1.091	-02	1	5	4.500	1.819	02
1	4	0.300	1.104	05	1	4	200.000	9.596	-03	1	5	5.000	1.398	02
1	4	0.350	7.506	04	1	4	210.000	8.494	-03	1	5	5.500	1.102	02
1	4	0.400	5.373	04	1	4	220.000	7.562	-03	1	5	6.000	8.862	01
1	4	0.450	4.002	04	1	4	230.000	6.766	-03	1	5	6.500	7.255	01
1	4	0.500	3.074	04	1	4	240.000	6.083	-03	1	5	7.000	6.028	01
1	4	0.600	1.948	04	1	5	0.005	4.150	09	1	5	8.000	4.317	01
1	4	0.700	1.325	04	1	5	0.010	1.336	09	1	5	9.000	3.216	01
1	4	0.800	9.489	03	1	5	0.015	4.234	08	1	5	10.000	2.471	01
1	4	0.900	7.068	03	1	5	0.020	1.829	08	1	5	12.000	1.567	01
1	4	1.000	5.431	03	1	5	0.025	9.691	07	1	5	14.000	1.066	01
1	4	1.200	3.442	03	1	5	0.030	5.853	07	1	5	16.000	7.631	00
1	4	1.400	2.341	03	1	5	0.035	3.856	07	1	5	18.000	5.685	00
1	4	1.600	1.677	03	1	5	0.040	2.700	07	1	5	20.000	4.368	00
1	4	1.800	1.249	03	1	5	0.050	1.502	07	1	5	25.000	2.501	00
					1	5				1	5	30.000	1.585	00

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
1	5	35.000	1.078	00	1	6	0.400	1.589	05	1	6	230.000	1.993	-02
1	5	40.000	7.722	-01	1	6	0.450	1.183	05	1	6	240.000	1.792	-02
1	5	45.000	5.753	-01	1	6	0.500	9.082	04	1	7	0.005	3.015	09
1	5	50.000	4.421	-01	1	6	0.600	5.752	04	1	7	0.010	2.123	09
1	5	60.000	2.802	-01	1	6	0.700	3.910	04	1	7	0.015	1.195	09
1	5	70.000	1.906	-01	1	6	0.800	2.799	04	1	7	0.020	6.319	08
1	5	80.000	1.365	-01	1	6	0.900	2.084	04	1	7	0.025	3.426	08
1	5	90.000	1.017	-01	1	6	1.000	1.601	04	1	7	0.030	2.001	08
1	5	100.000	7.815	-02	1	6	1.200	1.015	04	1	7	0.035	1.278	08
1	5	110.000	6.158	-02	1	6	1.400	6.901	03	1	7	0.040	8.659	07
1	5	120.000	4.954	-02	1	6	1.600	4.942	03	1	7	0.050	4.594	07
1	5	130.000	4.055	-02	1	6	1.800	3.681	03	1	7	0.060	2.778	07
1	5	140.000	3.370	-02	1	6	2.000	2.828	03	1	7	0.070	1.831	07
1	5	150.000	2.836	-02	1	6	2.500	1.619	03	1	7	0.080	1.283	07
1	5	160.000	2.413	-02	1	6	3.000	1.026	03	1	7	0.090	9.407	06
1	5	170.000	2.074	-02	1	6	3.500	6.979	02	1	7	0.100	7.142	06
1	5	180.000	1.798	-02	1	6	4.000	4.998	02	1	7	0.110	5.575	06
1	5	190.000	1.570	-02	1	6	4.500	3.723	02	1	7	0.120	4.452	06
1	5	200.000	1.381	-02	1	6	5.000	2.861	02	1	7	0.130	3.622	06
1	5	210.000	1.223	-02	1	6	5.500	2.254	02	1	7	0.140	2.995	06
1	5	220.000	1.089	-02	1	6	6.000	1.814	02	1	7	0.150	2.510	06
1	5	230.000	9.741	-03	1	6	6.500	1.485	02	1	7	0.160	2.128	06
1	5	240.000	8.757	-03	1	6	7.000	1.234	02	1	7	0.170	1.824	06
1	6	0.005	4.715	09	1	6	8.000	8.834	01	1	7	0.180	1.577	06
1	6	0.010	2.335	09	1	6	9.000	6.581	01	1	7	0.190	1.374	06
1	6	0.015	9.901	08	1	6	10.000	5.057	01	1	7	0.200	1.206	06
1	6	0.020	4.397	08	1	6	12.000	3.206	01	1	7	0.220	9.475	05
1	6	0.025	2.284	08	1	6	14.000	2.181	01	1	7	0.240	7.603	05
1	6	0.030	1.341	08	1	6	16.000	1.562	01	1	7	0.260	6.211	05
1	6	0.035	8.648	07	1	6	18.000	1.163	01	1	7	0.280	5.151	05
1	6	0.040	5.959	07	1	6	20.000	8.939	00	1	7	0.300	4.329	05
1	6	0.050	3.245	07	1	6	25.000	5.117	00	1	7	0.350	2.936	05
1	6	0.060	1.996	07	1	6	30.000	3.244	00	1	7	0.400	2.099	05
1	6	0.070	1.331	07	1	6	35.000	2.206	00	1	7	0.450	1.561	05
1	6	0.080	9.400	06	1	6	40.000	1.580	00	1	7	0.500	1.198	05
1	6	0.090	6.932	06	1	6	45.000	1.177	00	1	7	0.600	7.586	04
1	6	0.100	5.286	06	1	6	50.000	9.046	-01	1	7	0.700	5.155	04
1	6	0.110	4.141	06	1	6	60.000	5.734	-01	1	7	0.800	3.689	04
1	6	0.120	3.316	06	1	6	70.000	3.901	-01	1	7	0.900	2.747	04
1	6	0.130	2.704	06	1	6	80.000	2.793	-01	1	7	1.000	2.110	04
1	6	0.140	2.240	06	1	6	90.000	2.081	-01	1	7	1.200	1.337	04
1	6	0.150	1.880	06	1	6	100.000	1.599	-01	1	7	1.400	9.091	03
1	6	0.160	1.596	06	1	6	110.000	1.260	-01	1	7	1.600	6.509	03
1	6	0.170	1.369	06	1	6	120.000	1.014	-01	1	7	1.800	4.848	03
1	6	0.180	1.185	06	1	6	130.000	8.299	-02	1	7	2.000	3.725	03
1	6	0.190	1.034	06	1	6	140.000	6.895	-02	1	7	2.500	2.132	03
1	6	0.200	9.080	05	1	6	150.000	5.803	-02	1	7	3.000	1.351	03
1	6	0.220	7.140	05	1	6	160.000	4.938	-02	1	7	3.500	9.190	02
1	6	0.240	5.735	05	1	6	170.000	4.244	-02	1	7	4.000	6.581	02
1	6	0.260	4.688	05	1	6	180.000	3.679	-02	1	7	4.500	4.902	02
1	6	0.280	3.891	05	1	6	190.000	3.214	-02	1	7	5.000	3.767	02
1	6	0.300	3.272	05	1	6	200.000	2.827	-02	1	7	5.500	2.968	02
1	6	0.350	2.221	05	1	6	210.000	2.502	-02	1	7	6.000	2.388	02
					1	6	220.000	2.227	-02					

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
1	7	6.500	1.955	02	1	8	0.150	4.340	06	1	8	110.000	2.814	-01
1	7	7.000	1.624	02	1	8	0.160	3.673	06	1	8	120.000	2.264	-01
1	7	8.000	1.163	02	1	8	0.170	3.143	06	1	8	130.000	1.853	-01
1	7	9.000	8.665	01	1	8	0.180	2.713	06	1	8	140.000	1.540	-01
1	7	10.000	6.659	01	1	8	0.190	2.362	06	1	8	150.000	1.296	-01
1	7	12.000	4.221	01	1	8	0.200	2.072	06	1	8	160.000	1.103	-01
1	7	14.000	2.871	01	1	8	0.220	1.625	06	1	8	170.000	9.478	-02
1	7	16.000	2.056	01	1	8	0.240	1.302	06	1	8	180.000	8.216	-02
1	7	18.000	1.532	01	1	8	0.260	1.062	06	1	8	190.000	7.177	-02
1	7	20.000	1.177	01	1	8	0.280	8.803	05	1	8	200.000	6.313	-02
1	7	25.000	6.738	00	1	8	0.300	7.392	05	1	8	210.000	5.588	-02
1	7	30.000	4.271	00	1	8	0.350	5.007	05	1	8	220.000	4.975	-02
1	7	35.000	2.905	00	1	8	0.400	3.576	05	1	8	230.000	4.452	-02
1	7	40.000	2.081	00	1	8	0.450	2.658	05	1	8	240.000	4.002	-02
1	7	45.000	1.550	00	1	8	0.500	2.039	05	1	9	0.005	2.149	09
1	7	50.000	1.191	00	1	8	0.600	1.290	05	1	9	0.010	1.783	09
1	7	60.000	7.550	-01	1	8	0.700	8.761	04	1	9	0.015	1.400	09
1	7	70.000	5.136	-01	1	8	0.800	6.268	04	1	9	0.020	1.017	09
1	7	80.000	3.678	-01	1	8	0.900	4.666	04	1	9	0.025	7.069	08
1	7	90.000	2.740	-01	1	8	1.000	3.583	04	1	9	0.030	4.794	08
1	7	100.000	2.105	-01	1	8	1.200	2.270	04	1	9	0.035	3.263	08
1	7	110.000	1.659	-01	1	8	1.400	1.543	04	1	9	0.040	2.260	08
1	7	120.000	1.335	-01	1	8	1.600	1.105	04	1	9	0.050	1.173	08
1	7	130.000	1.093	-01	1	8	1.800	8.227	03	1	9	0.060	6.897	07
1	7	140.000	9.079	-02	1	8	2.000	6.321	03	1	9	0.070	4.414	07
1	7	150.000	7.640	-02	1	8	2.500	3.617	03	1	9	0.080	3.023	07
1	7	160.000	6.502	-02	1	8	3.000	2.293	03	1	9	0.090	2.178	07
1	7	170.000	5.588	-02	1	8	3.500	1.559	03	1	9	0.100	1.631	07
1	7	180.000	4.844	-02	1	8	4.000	1.117	03	1	9	0.110	1.260	07
1	7	190.000	4.231	-02	1	8	4.500	8.317	02	1	9	0.120	9.977	06
1	7	200.000	3.722	-02	1	8	5.000	6.391	02	1	9	0.130	8.062	06
1	7	210.000	3.295	-02	1	8	5.500	5.036	02	1	9	0.140	6.628	06
1	7	220.000	2.933	-02	1	8	6.000	4.051	02	1	9	0.150	5.528	06
1	7	230.000	2.624	-02	1	8	6.500	3.316	02	1	9	0.160	4.669	06
1	7	240.000	2.360	-02	1	8	7.000	2.755	02	1	9	0.170	3.987	06
1	8	0.005	2.938	09	1	8	8.000	1.973	02	1	9	0.180	3.437	06
1	8	0.010	2.282	09	1	8	9.000	1.470	02	1	9	0.190	2.988	06
1	8	0.015	1.581	09	1	8	10.000	1.130	02	1	9	0.200	2.617	06
1	8	0.020	1.002	09	1	8	12.000	7.160	01	1	9	0.220	2.048	06
1	8	0.025	6.141	08	1	8	14.000	4.870	01	1	9	0.240	1.638	06
1	8	0.030	3.803	08	1	8	16.000	3.488	01	1	9	0.260	1.335	06
1	8	0.035	2.435	08	1	8	18.000	2.598	01	1	9	0.280	1.105	06
1	8	0.040	1.641	08	1	8	20.000	1.997	01	1	9	0.300	9.271	05
1	8	0.050	8.566	07	1	8	25.000	1.143	01	1	9	0.350	6.269	05
1	8	0.060	5.077	07	1	8	30.000	7.245	00	1	9	0.400	4.471	05
1	8	0.070	3.298	07	1	8	35.000	4.928	00	1	9	0.450	3.321	05
1	8	0.080	2.286	07	1	8	40.000	3.529	00	1	9	0.500	2.546	05
1	8	0.090	1.663	07	1	8	45.000	2.629	00	1	9	0.600	1.609	05
1	8	0.100	1.255	07	1	8	50.000	2.020	00	1	9	0.700	1.092	05
1	8	0.110	9.750	06	1	8	60.000	1.281	00	1	9	0.800	7.809	04
1	8	0.120	7.756	06	1	8	70.000	8.712	-01	1	9	0.900	5.811	04
1	8	0.130	6.292	06	1	8	80.000	6.239	-01	1	9	1.000	4.462	04
1	8	0.140	5.189	06	1	8	90.000	4.648	-01	1	9	1.200	2.826	04
					1	8	100.000	3.571	-01					

Table IV. THE STARK BROADENING FUNCTIONS, $S(a)$

n'	n	a	$S(a)$		n'	n	a	$S(a)$		n'	n	a	$S(a)$	
1	9	1.400	1.920	04	1	10	0.035	4.900	08	1	10	20.000	3.773	01
1	9	1.600	1.375	04	1	10	0.040	3.572	08	1	10	25.000	2.160	01
1	9	1.800	1.024	04	1	10	0.050	1.956	08	1	10	30.000	1.369	01
1	9	2.000	7.864	03	1	10	0.060	1.146	08	1	10	35.000	9.313	00
1	9	2.500	4.500	03	1	10	0.070	7.310	07	1	10	40.000	6.670	00
1	9	3.000	2.852	03	1	10	0.080	4.950	07	1	10	45.000	4.968	00
1	9	3.500	1.939	03	1	10	0.090	3.529	07	1	10	50.000	3.818	00
1	9	4.000	1.389	03	1	10	0.100	2.621	07	1	10	60.000	2.420	00
1	9	4.500	1.034	03	1	10	0.110	2.010	07	1	10	70.000	1.646	00
1	9	5.000	7.948	02	1	10	0.120	1.582	07	1	10	80.000	1.179	00
1	9	5.500	6.263	02	1	10	0.130	1.273	07	1	10	90.000	8.783	-01
1	9	6.000	5.038	02	1	10	0.140	1.042	07	1	10	100.000	6.749	-01
1	9	6.500	4.124	02	1	10	0.150	8.663	06	1	10	110.000	5.318	-01
1	9	7.000	3.427	02	1	10	0.160	7.296	06	1	10	120.000	4.279	-01
1	9	8.000	2.454	02	1	10	0.170	6.214	06	1	10	130.000	3.503	-01
1	9	9.000	1.828	02	1	10	0.180	5.346	06	1	10	140.000	2.910	-01
1	9	10.000	1.405	02	1	10	0.190	4.639	06	1	10	150.000	2.449	-01
1	9	12.000	8.904	01	1	10	0.200	4.057	06	1	10	160.000	2.084	-01
1	9	14.000	6.056	01	1	10	0.220	3.166	06	1	10	170.000	1.791	-01
1	9	16.000	4.337	01	1	10	0.240	2.527	06	1	10	180.000	1.553	-01
1	9	18.000	3.231	01	1	10	0.260	2.056	06	1	10	190.000	1.356	-01
1	9	20.000	2.483	01	1	10	0.280	1.700	06	1	10	200.000	1.193	-01
1	9	25.000	1.421	01	1	10	0.300	1.424	06	1	10	210.000	1.056	-01
1	9	30.000	9.010	00	1	10	0.350	9.608	05	1	10	220.000	9.401	-02
1	9	35.000	6.128	00	1	10	0.400	6.842	05	1	10	230.000	8.413	-02
1	9	40.000	4.389	00	1	10	0.450	5.076	05	1	10	240.000	7.563	-02
1	9	45.000	3.269	00	1	10	0.500	3.888	05					
1	9	50.000	2.512	00	1	10	0.600	2.454	05	1	11	0.005	1.681	09
1	9	60.000	1.593	00	1	10	0.700	1.664	05	1	11	0.010	1.319	09
1	9	70.000	1.083	00	1	10	0.800	1.190	05	1	11	0.015	1.199	09
1	9	80.000	7.759	-01	1	10	0.900	8.849	04	1	11	0.020	1.021	09
1	9	90.000	5.780	-01	1	10	1.000	6.793	04	1	11	0.025	8.424	08
1	9	100.000	4.441	-01	1	10	1.200	4.300	04	1	11	0.030	6.754	08
1	9	110.000	3.500	-01	1	10	1.400	2.922	04	1	11	0.035	5.296	08
1	9	120.000	2.815	-01	1	10	1.600	2.091	04	1	11	0.040	4.106	08
1	9	130.000	2.305	-01	1	10	1.800	1.557	04	1	11	0.050	2.441	08
1	9	140.000	1.915	-01	1	10	2.000	1.196	04	1	11	0.060	1.486	08
1	9	150.000	1.612	-01	1	10	2.500	6.841	03	1	11	0.070	9.474	07
1	9	160.000	1.372	-01	1	10	3.000	4.335	03	1	11	0.080	6.401	07
1	9	170.000	1.179	-01	1	10	3.500	2.948	03	1	11	0.090	4.542	07
1	9	180.000	1.022	-01	1	10	4.000	2.111	03	1	11	0.100	3.345	07
1	9	190.000	8.925	-02	1	10	4.500	1.572	03	1	11	0.110	2.547	07
1	9	200.000	7.851	-02	1	10	5.000	1.208	03	1	11	0.120	1.992	07
1	9	210.000	6.949	-02	1	10	5.500	9.518	02	1	11	0.130	1.593	07
1	9	220.000	6.187	-02	1	10	6.000	7.657	02	1	11	0.140	1.299	07
1	9	230.000	5.536	-02	1	10	6.500	6.268	02	1	11	0.150	1.075	07
1	9	240.000	4.977	-02	1	10	7.000	5.208	02	1	11	0.160	9.026	06
					1	10	8.000	3.729	02	1	11	0.170	7.665	06
1	10	0.005	1.762	09	1	10	9.000	2.778	02	1	11	0.180	6.577	06
1	10	0.010	1.742	09	1	10	10.000	2.135	02	1	11	0.190	5.695	06
1	10	0.015	1.458	09	1	10	12.000	1.353	02	1	11	0.200	4.971	06
1	10	0.020	1.172	09	1	10	14.000	9.204	01	1	11	0.220	3.867	06
1	10	0.025	8.981	08	1	10	16.000	6.592	01	1	11	0.240	3.079	06
1	10	0.030	6.694	08	1	10	18.000	4.910	01	1	11	0.260	2.500	06

Table IV. THE STARK BROADENING FUNCTIONS, $S(a)$

n'	n	a	$S(a)$	n'	n	a	$S(a)$	n'	n	a	$S(a)$
1	11	0.280	2.063 06	1	11	200.000	1.427 -01	1	12	5.000	2.045 03
1	11	0.300	1.726 06	1	11	210.000	1.263 -01	1	12	5.500	1.611 03
1	11	0.350	1.161 06	1	11	220.000	1.125 -01	1	12	6.000	1.296 03
1	11	0.400	8.254 05	1	11	230.000	1.006 -01	1	12	6.500	1.061 03
1	11	0.450	6.115 05	1	11	240.000	9.048 -02	1	12	7.000	8.815 02
1	11	0.500	4.679 05					1	12	8.000	6.312 02
1	11	0.600	2.949 05	1	12	0.005	1.072 09	1	12	9.000	4.702 02
1	11	0.700	1.998 05	1	12	0.010	1.298 09	1	12	10.000	3.613 02
1	11	0.800	1.427 05	1	12	0.015	1.160 09	1	12	12.000	2.290 02
1	11	0.900	1.061 05	1	12	0.020	1.039 09	1	12	14.000	1.558 02
1	11	1.000	8.143 04	1	12	0.025	9.032 08	1	12	16.000	1.115 02
1	11	1.200	5.152 04	1	12	0.030	7.646 08	1	12	18.000	8.309 01
1	11	1.400	3.499 04	1	12	0.035	6.356 08	1	12	20.000	6.385 01
1	11	1.600	2.504 04	1	12	0.040	5.202 08	1	12	25.000	3.655 01
1	11	1.800	1.864 04	1	12	0.050	3.384 08	1	12	30.000	2.317 01
1	11	2.000	1.432 04	1	12	0.060	2.188 08	1	12	35.000	1.576 01
1	11	2.500	8.188 03	1	12	0.070	1.440 08	1	12	40.000	1.129 01
1	11	3.000	5.188 03	1	12	0.080	9.788 07	1	12	45.000	8.408 00
1	11	3.500	3.528 03	1	12	0.090	6.907 07	1	12	50.000	6.461 00
1	11	4.000	2.526 03	1	12	0.100	5.087 07	1	12	60.000	4.096 00
1	11	4.500	1.881 03	1	12	0.110	3.849 07	1	12	70.000	2.786 00
1	11	5.000	1.445 03	1	12	0.120	2.991 07	1	12	80.000	1.995 00
1	11	5.500	1.139 03	1	12	0.130	2.379 07	1	12	90.000	1.486 00
1	11	6.000	9.161 02	1	12	0.140	1.929 07	1	12	100.000	1.142 00
1	11	6.500	7.499 02	1	12	0.150	1.590 07	1	12	110.000	8.999 -01
1	11	7.000	6.231 02	1	12	0.160	1.329 07	1	12	120.000	7.240 -01
1	11	8.000	4.462 02	1	12	0.170	1.125 07	1	12	130.000	5.927 -01
1	11	9.000	3.324 02	1	12	0.180	9.626 06	1	12	140.000	4.925 -01
1	11	10.000	2.554 02	1	12	0.190	8.313 06	1	12	150.000	4.144 -01
1	11	12.000	1.619 02	1	12	0.200	7.239 06	1	12	160.000	3.527 -01
1	11	14.000	1.101 02	1	12	0.220	5.609 06	1	12	170.000	3.031 -01
1	11	16.000	7.886 01	1	12	0.240	4.453 06	1	12	180.000	2.627 -01
1	11	18.000	5.874 01	1	12	0.260	3.606 06	1	12	190.000	2.295 -01
1	11	20.000	4.514 01	1	12	0.280	2.969 06	1	12	200.000	2.019 -01
1	11	25.000	2.584 01	1	12	0.300	2.480 06	1	12	210.000	1.787 -01
1	11	30.000	1.638 01	1	12	0.350	1.663 06	1	12	220.000	1.591 -01
1	11	35.000	1.114 01	1	12	0.400	1.180 06	1	12	230.000	1.424 -01
1	11	40.000	7.979 00	1	12	0.450	8.724 05	1	12	240.000	1.280 -01
1	11	45.000	5.944 00	1	12	0.500	6.668 05				
1	11	50.000	4.567 00	1	12	0.600	4.195 05	1	13	0.005	1.374 09
1	11	60.000	2.895 00	1	12	0.700	2.839 05	1	13	0.010	9.751 08
1	11	70.000	1.969 00	1	12	0.800	2.026 05	1	13	0.015	9.502 08
1	11	80.000	1.410 00	1	12	0.900	1.506 05	1	13	0.020	8.743 08
1	11	90.000	1.051 00	1	12	1.000	1.155 05	1	13	0.025	7.841 08
1	11	100.000	8.074 -01	1	12	1.200	7.301 04	1	13	0.030	6.928 08
1	11	110.000	6.362 -01	1	12	1.400	4.958 04	1	13	0.035	6.012 08
1	11	120.000	5.118 -01	1	12	1.600	3.546 04	1	13	0.040	5.136 08
1	11	130.000	4.190 -01	1	12	1.800	2.639 04	1	13	0.050	3.638 08
1	11	140.000	3.481 -01	1	12	2.000	2.027 04	1	13	0.060	2.512 08
1	11	150.000	2.930 -01	1	12	2.500	1.159 04	1	13	0.070	1.733 08
1	11	160.000	2.493 -01	1	12	3.000	7.342 03	1	13	0.080	1.209 08
1	11	170.000	2.143 -01	1	12	3.500	4.992 03	1	13	0.090	8.635 07
1	11	180.000	1.857 -01	1	12	4.000	3.574 03	1	13	0.100	6.333 07
1	11	190.000	1.623 -01	1	12	4.500	2.662 03	1	13	0.110	4.783 07

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
1	13	0.120	3.717	07	1	13	80.000	2.323	00	1	14	0.900	2.374	05
1	13	0.130	2.942	07	1	13	90.000	1.731	00	1	14	1.000	1.819	05
1	13	0.140	2.374	07	1	13	100.000	1.330	00	1	14	1.200	1.148	05
1	13	0.150	1.948	07	1	13	110.000	1.048	00	1	14	1.400	7.789	04
1	13	0.160	1.622	07	1	13	120.000	8.430	-01	1	14	1.600	5.567	04
1	13	0.170	1.368	07	1	13	130.000	6.901	-01	1	14	1.800	4.141	04
1	13	0.180	1.166	07	1	13	140.000	5.734	-01	1	14	2.000	3.179	04
1	13	0.190	1.004	07	1	13	150.000	4.826	-01	1	14	2.500	1.817	04
1	13	0.200	8.720	06	1	13	160.000	4.107	-01	1	14	3.000	1.150	04
1	13	0.220	6.727	06	1	13	170.000	3.529	-01	1	14	3.500	7.819	03
1	13	0.240	5.321	06	1	13	180.000	3.059	-01	1	14	4.000	5.597	03
1	13	0.260	4.296	06	1	13	190.000	2.672	-01	1	14	4.500	4.168	03
1	13	0.280	3.529	06	1	13	200.000	2.351	-01	1	14	5.000	3.202	03
1	13	0.300	2.942	06	1	13	210.000	2.081	-01	1	14	5.500	2.523	03
1	13	0.350	1.965	06	1	13	220.000	1.852	-01	1	14	6.000	2.029	03
1	13	0.400	1.390	06	1	13	230.000	1.658	-01	1	14	6.500	1.661	03
1	13	0.450	1.026	06	1	13	240.000	1.490	-01	1	14	7.000	1.380	03
1	13	0.500	7.830	05						1	14	8.000	9.880	02
1	13	0.600	4.916	05	1	14	0.005	5.836	08	1	14	9.000	7.359	02
1	13	0.700	3.323	05	1	14	0.010	9.780	08	1	14	10.000	5.654	02
1	13	0.800	2.369	05	1	14	0.015	9.084	08	1	14	12.000	3.584	02
1	13	0.900	1.759	05	1	14	0.020	8.477	08	1	14	14.000	2.438	02
1	13	1.000	1.349	05	1	14	0.025	7.853	08	1	14	16.000	1.746	02
1	13	1.200	8.521	04	1	14	0.030	7.145	08	1	14	18.000	1.300	02
1	13	1.400	5.783	04	1	14	0.035	6.396	08	1	14	20.000	9.992	01
1	13	1.600	4.135	04	1	14	0.040	5.660	08	1	14	25.000	5.720	01
1	13	1.800	3.077	04	1	14	0.050	4.299	08	1	14	30.000	3.626	01
1	13	2.000	2.362	04	1	14	0.060	3.168	08	1	14	35.000	2.466	01
1	13	2.500	1.350	04	1	14	0.070	2.301	08	1	14	40.000	1.766	01
1	13	3.000	8.554	03	1	14	0.080	1.668	08	1	14	45.000	1.316	01
1	13	3.500	5.815	03	1	14	0.090	1.221	08	1	14	50.000	1.011	01
1	13	4.000	4.163	03	1	14	0.100	9.071	07	1	14	60.000	6.409	00
1	13	4.500	3.100	03	1	14	0.110	6.870	07	1	14	70.000	4.359	00
1	13	5.000	2.382	03	1	14	0.120	5.313	07	1	14	80.000	3.122	00
1	13	5.500	1.876	03	1	14	0.130	4.202	07	1	14	90.000	2.326	00
1	13	6.000	1.509	03	1	14	0.140	3.390	07	1	14	100.000	1.787	00
1	13	6.500	1.236	03	1	14	0.150	2.771	07	1	14	110.000	1.408	00
1	13	7.000	1.026	03	1	14	0.160	2.298	07	1	14	120.000	1.133	00
1	13	8.000	7.351	02	1	14	0.170	1.931	07	1	14	130.000	9.275	-01
1	13	9.000	5.475	02	1	14	0.180	1.640	07	1	14	140.000	7.706	-01
1	13	10.000	4.207	02	1	14	0.190	1.408	07	1	14	150.000	6.485	-01
1	13	12.000	2.667	02	1	14	0.200	1.219	07	1	14	160.000	5.519	-01
1	13	14.000	1.814	02	1	14	0.220	9.358	06	1	14	170.000	4.743	-01
1	13	16.000	1.299	02	1	14	0.240	7.372	06	1	14	180.000	4.111	-01
1	13	18.000	9.675	01	1	14	0.260	5.932	06	1	14	190.000	3.591	-01
1	13	20.000	7.435	01	1	14	0.280	4.859	06	1	14	200.000	3.159	-01
1	13	25.000	4.256	01	1	14	0.300	4.041	06	1	14	210.000	2.796	-01
1	13	30.000	2.698	01	1	14	0.350	2.687	06	1	14	220.000	2.489	-01
1	13	35.000	1.835	01	1	14	0.400	1.895	06	1	14	230.000	2.228	-01
1	13	40.000	1.314	01	1	14	0.450	1.395	06	1	14	240.000	2.003	-01
1	13	45.000	9.790	00	1	14	0.500	1.063	06					
1	13	50.000	7.523	00	1	14	0.600	6.658	05	1	15	0.005	1.121	09
1	13	60.000	4.769	00	1	14	0.700	4.493	05	1	15	0.010	7.465	08
1	13	70.000	3.244	00	1	14	0.800	3.200	05	1	15	0.015	7.433	08

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
1	15	0.020	7.149	08	1	15	14.000	2.782	02	1	16	0.220	1.504	07
1	15	0.025	6.711	08	1	15	16.000	1.992	02	1	16	0.240	1.174	07
1	15	0.030	6.219	08	1	15	18.000	1.484	02	1	16	0.260	9.372	06
1	15	0.035	5.719	08	1	15	20.000	1.140	02	1	16	0.280	7.626	06
1	15	0.040	5.197	08	1	15	25.000	6.527	01	1	16	0.300	6.306	06
1	15	0.050	4.165	08	1	15	30.000	4.137	01	1	16	0.350	4.148	06
1	15	0.060	3.249	08	1	15	35.000	2.814	01	1	16	0.400	2.902	06
1	15	0.070	2.481	08	1	15	40.000	2.015	01	1	16	0.450	2.125	06
1	15	0.080	1.878	08	1	15	45.000	1.501	01	1	16	0.500	1.612	06
1	15	0.090	1.418	08	1	15	50.000	1.154	01	1	16	0.600	1.004	06
1	15	0.100	1.078	08	1	15	60.000	7.313	00	1	16	0.700	6.746	05
1	15	0.110	8.281	07	1	15	70.000	4.974	00	1	16	0.800	4.792	05
1	15	0.120	6.444	07	1	15	80.000	3.562	00	1	16	0.900	3.548	05
1	15	0.130	5.094	07	1	15	90.000	2.654	00	1	16	1.000	2.714	05
1	15	0.140	4.093	07	1	15	100.000	2.039	00	1	16	1.200	1.710	05
1	15	0.150	3.345	07	1	15	110.000	1.607	00	1	16	1.400	1.158	05
1	15	0.160	2.775	07	1	15	120.000	1.293	00	1	16	1.600	8.271	04
1	15	0.170	2.324	07	1	15	130.000	1.058	00	1	16	1.800	6.148	04
1	15	0.180	1.968	07	1	15	140.000	8.793	-01	1	16	2.000	4.717	04
1	15	0.190	1.684	07	1	15	150.000	7.400	-01	1	16	2.500	2.693	04
1	15	0.200	1.454	07	1	15	160.000	6.297	-01	1	16	3.000	1.704	04
1	15	0.220	1.110	07	1	15	170.000	5.412	-01	1	16	3.500	1.158	04
1	15	0.240	8.708	06	1	15	180.000	4.691	-01	1	16	4.000	8.288	03
1	15	0.260	6.981	06	1	15	190.000	4.098	-01	1	16	4.500	6.171	03
1	15	0.280	5.700	06	1	15	200.000	3.605	-01	1	16	5.000	4.740	03
1	15	0.300	4.728	06	1	15	210.000	3.191	-01	1	16	5.500	3.734	03
1	15	0.350	3.128	06	1	15	220.000	2.841	-01	1	16	6.000	3.003	03
1	15	0.400	2.197	06	1	15	230.000	2.542	-01	1	16	6.500	2.458	03
1	15	0.450	1.614	06	1	15	240.000	2.285	-01	1	16	7.000	2.042	03
1	15	0.500	1.227	06	1	16	0.005	4.362	08	1	16	8.000	1.462	03
1	15	0.600	7.664	05	1	16	0.010	7.441	08	1	16	9.000	1.089	03
1	15	0.700	5.163	05	1	16	0.015	7.210	08	1	16	10.000	8.366	02
1	15	0.800	3.672	05	1	16	0.020	6.833	08	1	16	12.000	5.303	02
1	15	0.900	2.722	05	1	16	0.025	6.535	08	1	16	14.000	3.606	02
1	15	1.000	2.084	05	1	16	0.030	6.177	08	1	16	16.000	2.583	02
1	15	1.200	1.314	05	1	16	0.035	5.779	08	1	16	18.000	1.924	02
1	15	1.400	8.909	04	1	16	0.040	5.351	08	1	16	20.000	1.478	02
1	15	1.600	6.365	04	1	16	0.050	4.493	08	1	16	25.000	8.461	01
1	15	1.800	4.734	04	1	16	0.060	3.664	08	1	16	30.000	5.363	01
1	15	2.000	3.633	04	1	16	0.070	2.931	08	1	16	35.000	3.648	01
1	15	2.500	2.075	04	1	16	0.080	2.310	08	1	16	40.000	2.613	01
1	15	3.000	1.314	04	1	16	0.090	1.807	08	1	16	45.000	1.946	01
1	15	3.500	8.928	03	1	16	0.100	1.412	08	1	16	50.000	1.495	01
1	15	4.000	6.390	03	1	16	0.110	1.107	08	1	16	60.000	9.480	00
1	15	4.500	4.758	03	1	16	0.120	8.750	07	1	16	70.000	6.448	00
1	15	5.000	3.655	03	1	16	0.130	6.977	07	1	16	80.000	4.618	00
1	15	5.500	2.879	03	1	16	0.140	5.623	07	1	16	90.000	3.440	00
1	15	6.000	2.316	03	1	16	0.150	4.589	07	1	16	100.000	2.644	00
1	15	6.500	1.896	03	1	16	0.160	3.794	07	1	16	110.000	2.083	00
1	15	7.000	1.575	03	1	16	0.170	3.176	07	1	16	120.000	1.676	00
1	15	8.000	1.128	03	1	16	0.180	2.693	07	1	16	130.000	1.372	00
1	15	9.000	8.399	02	1	16	0.190	2.299	07	1	16	140.000	1.140	00
1	15	10.000	6.453	02	1	16	0.200	1.980	07	1	16	150.000	9.593	-01
1	15	12.000	4.090	02	1	16				1	16	160.000	8.164	-01

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
1	16	170.000	7.016	-01	1	17	3.500	1.302	04	1	18	0.090	2.236	08
1	16	180.000	6.081	-01	1	17	4.000	9.313	03	1	18	0.100	1.852	08
1	16	190.000	5.312	-01	1	17	4.500	6.933	03	1	18	0.110	1.527	08
1	16	200.000	4.673	-01	1	17	5.000	5.325	03	1	18	0.120	1.256	08
1	16	210.000	4.136	-01	1	17	5.500	4.195	03	1	18	0.130	1.034	08
1	16	220.000	3.682	-01	1	17	6.000	3.374	03	1	18	0.140	8.542	07
1	16	230.000	3.295	-01	1	17	6.500	2.761	03	1	18	0.150	7.088	07
1	16	240.000	2.962	-01	1	17	7.000	2.294	03	1	18	0.160	5.916	07
					1	17	8.000	1.642	03	1	18	0.170	4.969	07
1	17	0.005	9.061	08	1	17	9.000	1.223	03	1	18	0.180	4.203	07
1	17	0.010	6.059	08	1	17	10.000	9.397	02	1	18	0.190	3.584	07
1	17	0.015	5.870	08	1	17	12.000	5.955	02	1	18	0.200	3.083	07
1	17	0.020	5.820	08	1	17	14.000	4.050	02	1	18	0.220	2.332	07
1	17	0.025	5.605	08	1	17	16.000	2.900	02	1	18	0.240	1.810	07
1	17	0.030	5.342	08	1	17	18.000	2.160	02	1	18	0.260	1.434	07
1	17	0.035	5.057	08	1	17	20.000	1.660	02	1	18	0.280	1.159	07
1	17	0.040	4.765	08	1	17	25.000	9.502	01	1	18	0.300	9.521	06
1	17	0.050	4.134	08	1	17	30.000	6.023	01	1	18	0.350	6.181	06
1	17	0.060	3.502	08	1	17	35.000	4.097	01	1	18	0.400	4.283	06
1	17	0.070	2.910	08	1	17	40.000	2.934	01	1	18	0.450	3.114	06
1	17	0.080	2.380	08	1	17	45.000	2.185	01	1	18	0.500	2.349	06
1	17	0.090	1.928	08	1	17	50.000	1.679	01	1	18	0.600	1.451	06
1	17	0.100	1.552	08	1	17	60.000	1.065	01	1	18	0.700	9.705	05
1	17	0.110	1.247	08	1	17	70.000	7.241	00	1	18	0.800	6.869	05
1	17	0.120	1.004	08	1	17	80.000	5.186	00	1	18	0.900	5.074	05
1	17	0.130	8.117	07	1	17	90.000	3.863	00	1	18	1.000	3.873	05
1	17	0.140	6.615	07	1	17	100.000	2.969	00	1	18	1.200	2.433	05
1	17	0.150	5.431	07	1	17	110.000	2.339	00	1	18	1.400	1.645	05
1	17	0.160	4.496	07	1	17	120.000	1.882	00	1	18	1.600	1.174	05
1	17	0.170	3.761	07	1	17	130.000	1.541	00	1	18	1.800	8.716	04
1	17	0.180	3.179	07	1	17	140.000	1.280	00	1	18	2.000	6.682	04
1	17	0.190	2.712	07	1	17	150.000	1.077	00	1	18	2.500	3.811	04
1	17	0.200	2.339	07	1	17	160.000	9.167	-01	1	18	3.000	2.410	04
1	17	0.220	1.770	07	1	17	170.000	7.878	-01	1	18	3.500	1.637	04
1	17	0.240	1.376	07	1	17	180.000	6.829	-01	1	18	4.000	1.171	04
1	17	0.260	1.094	07	1	17	190.000	5.966	-01	1	18	4.500	8.718	03
1	17	0.280	8.871	06	1	17	200.000	5.248	-01	1	18	5.000	6.695	03
1	17	0.300	7.312	06	1	17	210.000	4.645	-01	1	18	5.500	5.273	03
1	17	0.350	4.779	06	1	17	220.000	4.135	-01	1	18	6.000	4.241	03
1	17	0.400	3.328	06	1	17	230.000	3.700	-01	1	18	6.500	3.471	03
1	17	0.450	2.429	06	1	17	240.000	3.327	-01	1	18	7.000	2.883	03
1	17	0.500	1.838	06						1	18	8.000	2.064	03
1	17	0.600	1.140	06	1	18	0.005	2.927	08	1	18	9.000	1.537	03
1	17	0.700	7.645	05	1	18	0.010	5.694	08	1	18	10.000	1.181	03
1	17	0.800	5.421	05	1	18	0.015	5.829	08	1	18	12.000	7.485	02
1	17	0.900	4.009	05	1	18	0.020	5.561	08	1	18	14.000	5.090	02
1	17	1.000	3.064	05	1	18	0.025	5.374	08	1	18	16.000	3.645	02
1	17	1.200	1.928	05	1	18	0.030	5.199	08	1	18	18.000	2.715	02
1	17	1.400	1.305	05	1	18	0.035	4.985	08	1	18	20.000	2.086	02
1	17	1.600	9.312	04	1	18	0.040	4.746	08	1	18	25.000	1.194	02
1	17	1.800	6.919	04	1	18	0.050	4.226	08	1	18	30.000	7.569	01
1	17	2.000	5.307	04	1	18	0.060	3.694	08	1	18	35.000	5.148	01
1	17	2.500	3.028	04	1	18	0.070	3.166	08	1	18	40.000	3.687	01
1	17	3.000	1.916	04	1	18	0.080	2.678	08	1	18	45.000	2.746	01

Table IV. THE STARK BROADENING FUNCTIONS, $S(a)$

n'	n	a	$S(a)$		n'	n	a	$S(a)$		n'	n	a	$S(a)$	
1	18	50.000	2.110	01	2	3	0.600	7.892	05	2	4	0.010	2.500	08
1	18	60.000	1.338	01	2	3	0.700	5.313	05	2	4	0.015	4.132	08
1	18	70.000	9.100	00	2	3	0.800	3.778	05	2	4	0.020	5.286	08
1	18	80.000	6.517	00	2	3	0.900	2.800	05	2	4	0.025	5.989	08
1	18	90.000	4.855	00	2	3	1.000	2.143	05	2	4	0.030	6.312	08
1	18	100.000	3.730	00	2	3	1.200	1.351	05	2	4	0.035	6.308	08
1	18	110.000	2.939	00	2	3	1.400	9.158	04	2	4	0.040	6.067	08
1	18	120.000	2.365	00	2	3	1.600	6.542	04	2	4	0.050	5.228	08
1	18	130.000	1.936	00	2	3	1.800	4.864	04	2	4	0.060	4.304	08
1	18	140.000	1.609	00	2	3	2.000	3.733	04	2	4	0.070	3.471	08
1	18	150.000	1.354	00	2	3	2.500	2.132	04	2	4	0.080	2.787	08
1	18	160.000	1.152	00	2	3	3.000	1.350	04	2	4	0.090	2.243	08
1	18	170.000	9.900	-01	2	3	3.500	9.172	03	2	4	0.100	1.798	08
1	18	180.000	8.582	-01	2	3	4.000	6.564	03	2	4	0.110	1.445	08
1	18	190.000	7.497	-01	2	3	4.500	4.888	03	2	4	0.120	1.168	08
1	18	200.000	6.594	-01	2	3	5.000	3.755	03	2	4	0.130	9.519	07
1	18	210.000	5.837	-01	2	3	5.500	2.958	03	2	4	0.140	7.788	07
1	18	220.000	5.196	-01	2	3	6.000	2.379	03	2	4	0.150	6.419	07
1	18	230.000	4.650	-01	2	3	6.500	1.947	03	2	4	0.160	5.340	07
1	18	240.000	4.180	-01	2	3	7.000	1.618	03	2	4	0.170	4.487	07
					2	3	8.000	1.158	03	2	4	0.180	3.791	07
2	3	0.005	3.772	08	2	3	9.000	8.627	02	2	4	0.190	3.233	07
2	3	0.010	9.612	08	2	3	10.000	6.629	02	2	4	0.200	2.784	07
2	3	0.015	1.123	09	2	3	12.000	4.201	02	2	4	0.220	2.116	07
2	3	0.020	9.615	08	2	3	14.000	2.857	02	2	4	0.240	1.645	07
2	3	0.025	7.639	08	2	3	16.000	2.046	02	2	4	0.260	1.309	07
2	3	0.030	6.271	08	2	3	18.000	1.524	02	2	4	0.280	1.061	07
2	3	0.035	5.412	08	2	3	20.000	1.171	02	2	4	0.300	8.739	06
2	3	0.040	4.861	08	2	3	25.000	6.704	01	2	4	0.350	5.707	06
2	3	0.050	3.963	08	2	3	30.000	4.250	01	2	4	0.400	3.971	06
2	3	0.060	3.167	08	2	3	35.000	2.891	01	2	4	0.450	2.896	06
2	3	0.070	2.465	08	2	3	40.000	2.070	01	2	4	0.500	2.190	06
2	3	0.080	1.894	08	2	3	45.000	1.542	01	2	4	0.600	1.358	06
2	3	0.090	1.443	08	2	3	50.000	1.185	01	2	4	0.700	9.103	05
2	3	0.100	1.101	08	2	3	60.000	7.512	00	2	4	0.800	6.453	05
2	3	0.110	8.516	07	2	3	70.000	5.110	00	2	4	0.900	4.772	05
2	3	0.120	6.676	07	2	3	80.000	3.659	00	2	4	1.000	3.646	05
2	3	0.130	5.279	07	2	3	90.000	2.726	00	2	4	1.200	2.294	05
2	3	0.140	4.242	07	2	3	100.000	2.095	00	2	4	1.400	1.552	05
2	3	0.150	3.479	07	2	3	110.000	1.651	00	2	4	1.600	1.108	05
2	3	0.160	2.885	07	2	3	120.000	1.328	00	2	4	1.800	8.230	04
2	3	0.170	2.417	07	2	3	130.000	1.087	00	2	4	2.000	6.312	04
2	3	0.180	2.047	07	2	3	140.000	9.032	-01	2	4	2.500	3.601	04
2	3	0.190	1.751	07	2	3	150.000	7.601	-01	2	4	3.000	2.279	04
2	3	0.200	1.511	07	2	3	160.000	6.469	-01	2	4	3.500	1.548	04
2	3	0.220	1.153	07	2	3	170.000	5.559	-01	2	4	4.000	1.108	04
2	3	0.240	9.031	06	2	3	180.000	4.819	-01	2	4	4.500	8.245	03
2	3	0.260	7.233	06	2	3	190.000	4.209	-01	2	4	5.000	6.333	03
2	3	0.280	5.902	06	2	3	200.000	3.703	-01	2	4	5.500	4.988	03
2	3	0.300	4.891	06	2	3	210.000	3.278	-01	2	4	6.000	4.012	03
2	3	0.350	3.231	06	2	3	220.000	2.918	-01	2	4	6.500	3.283	03
2	3	0.400	2.268	06	2	3	230.000	2.611	-01	2	4	7.000	2.727	03
2	3	0.450	1.664	06	2	3	240.000	2.347	-01	2	4	8.000	1.953	03
2	3	0.500	1.265	06	2	4	0.005	7.844	07	2	4	9.000	1.454	03

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
2	4	10.000	1.117	03	2	5	0.190	7.665	07	2	5	150.000	2.558	00
2	4	12.000	7.082	02	2	5	0.200	6.669	07	2	5	160.000	2.177	00
2	4	14.000	4.816	02	2	5	0.220	5.109	07	2	5	170.000	1.871	00
2	4	16.000	3.449	02	2	5	0.240	3.963	07	2	5	180.000	1.621	00
2	4	18.000	2.569	02	2	5	0.260	3.128	07	2	5	190.000	1.416	00
2	4	20.000	1.974	02	2	5	0.280	2.509	07	2	5	200.000	1.246	00
2	4	25.000	1.130	02	2	5	0.300	2.054	07	2	5	210.000	1.103	00
2	4	30.000	7.162	01	2	5	0.350	1.307	07	2	5	220.000	9.818	-01
2	4	35.000	4.871	01	2	5	0.400	8.895	06	2	5	230.000	8.785	-01
2	4	40.000	3.489	01	2	5	0.450	6.375	06	2	5	240.000	7.899	-01
2	4	45.000	2.599	01	2	5	0.500	4.755	06					
2	4	50.000	1.997	01	2	5	0.600	2.890	06	2	6	0.005	8.398	07
2	4	60.000	1.266	01	2	5	0.700	1.912	06	2	6	0.010	1.957	08
2	4	70.000	8.611	00	2	5	0.800	1.343	06	2	6	0.015	2.438	08
2	4	80.000	6.167	00	2	5	0.900	9.865	05	2	6	0.020	2.765	08
2	4	90.000	4.594	00	2	5	1.000	7.500	05	2	6	0.025	3.091	08
2	4	100.000	3.530	00	2	5	1.200	4.684	05	2	6	0.030	3.328	08
2	4	110.000	2.782	00	2	5	1.400	3.155	05	2	6	0.035	3.416	08
2	4	120.000	2.238	00	2	5	1.600	2.244	05	2	6	0.040	3.375	08
2	4	130.000	1.832	00	2	5	1.800	1.664	05	2	6	0.050	3.089	08
2	4	140.000	1.522	00	2	5	2.000	1.274	05	2	6	0.060	2.761	08
2	4	150.000	1.281	00	2	5	2.500	7.245	04	2	6	0.070	2.486	08
2	4	160.000	1.090	00	2	5	3.000	4.576	04	2	6	0.080	2.273	08
2	4	170.000	9.368	-01	2	5	3.500	3.105	04	2	6	0.090	2.113	08
2	4	180.000	8.120	-01	2	5	4.000	2.220	04	2	6	0.100	1.975	08
2	4	190.000	7.094	-01	2	5	4.500	1.651	04	2	6	0.110	1.850	08
2	4	200.000	6.240	-01	2	5	5.000	1.268	04	2	6	0.120	1.730	08
2	4	210.000	5.523	-01	2	5	5.500	9.983	03	2	6	0.130	1.613	08
2	4	220.000	4.917	-01	2	5	6.000	8.026	03	2	6	0.140	1.498	08
2	4	230.000	4.400	-01	2	5	6.500	6.568	03	2	6	0.150	1.386	08
2	4	240.000	3.956	-01	2	5	7.000	5.455	03	2	6	0.160	1.275	08
					2	5	8.000	3.904	03	2	6	0.170	1.168	08
					2	5	9.000	2.907	03	2	6	0.180	1.067	08
2	5	0.005	7.640	07	2	5	10.000	2.233	03	2	6	0.190	9.701	07
2	5	0.010	2.163	08	2	5	12.000	1.415	03	2	6	0.200	8.799	07
2	5	0.015	3.035	08	2	5	14.000	9.622	02	2	6	0.220	7.202	07
2	5	0.020	3.239	08	2	5	16.000	6.890	02	2	6	0.240	5.877	07
2	5	0.025	3.126	08	2	5	18.000	5.131	02	2	6	0.260	4.800	07
2	5	0.030	2.981	08	2	5	20.000	3.943	02	2	6	0.280	3.937	07
2	5	0.035	2.924	08	2	5	25.000	2.257	02	2	6	0.300	3.243	07
2	5	0.040	2.942	08	2	5	30.000	1.430	02	2	6	0.350	2.074	07
2	5	0.050	3.091	08	2	5	35.000	9.728	01	2	6	0.400	1.397	07
2	5	0.060	3.204	08	2	5	40.000	6.967	01	2	6	0.450	9.911	06
2	5	0.070	3.198	08	2	5	45.000	5.190	01	2	6	0.500	7.289	06
2	5	0.080	3.076	08	2	5	50.000	3.988	01	2	6	0.600	4.330	06
2	5	0.090	2.869	08	2	5	60.000	2.528	01	2	6	0.700	2.817	06
2	5	0.100	2.613	08	2	5	70.000	1.719	01	2	6	0.800	1.956	06
2	5	0.110	2.339	08	2	5	80.000	1.231	01	2	6	0.900	1.424	06
2	5	0.120	2.066	08	2	5	90.000	9.173	00	2	6	1.000	1.075	06
2	5	0.130	1.808	08	2	5	100.000	7.049	00	2	6	1.200	6.652	05
2	5	0.140	1.572	08	2	5	110.000	5.554	00	2	6	1.400	4.453	05
2	5	0.150	1.362	08	2	5	120.000	4.468	00	2	6	1.600	3.154	05
2	5	0.160	1.180	08	2	5	130.000	3.658	00	2	6	1.800	2.331	05
2	5	0.170	1.022	08	2	5	140.000	3.039	00	2	6	2.000	1.780	05
2	5	0.180	8.845	07										

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$					
2	6	2.500	1.009	05	2	7	0.070	1.997	08	2	7	40.000	1.625	02				
2	6	3.000	6.356	04	2	7	0.080	2.028	08	2	7	45.000	1.210	02				
2	6	3.500	4.306	04	2	7	0.090	2.017	08	2	7	50.000	9.298	01				
2	6	4.000	3.075	04	2	7	0.100	1.973	08	2	7	60.000	5.894	01				
2	6	4.500	2.286	04	2	7	0.110	1.905	08	2	7	70.000	4.009	01				
2	6	5.000	1.754	04	2	7	0.120	1.825	08	2	7	80.000	2.871	01				
2	6	5.500	1.380	04	2	7	0.130	1.739	08	2	7	90.000	2.139	01				
2	6	6.000	1.110	04	2	7	0.140	1.649	08	2	7	100.000	1.643	01				
2	6	6.500	9.076	03	2	7	0.150	1.560	08	2	7	110.000	1.295	01				
2	6	7.000	7.537	03	2	7	0.160	1.472	08	2	7	120.000	1.042	01				
2	6	8.000	5.392	03	2	7	0.170	1.386	08	2	7	130.000	8.528	00				
2	6	9.000	4.014	03	2	7	0.180	1.304	08	2	7	140.000	7.085	00				
2	6	10.000	3.083	03	2	7	0.190	1.226	08	2	7	150.000	5.963	00				
2	6	12.000	1.953	03	2	7	0.200	1.151	08	2	7	160.000	5.074	00				
2	6	14.000	1.328	03	2	7	0.220	1.006	08	2	7	170.000	4.361	00				
2	6	16.000	9.505	02	2	7	0.240	8.747	07	2	7	180.000	3.780	00				
2	6	18.000	7.079	02	2	7	0.260	7.575	07	2	7	190.000	3.302	00				
2	6	20.000	5.438	02	2	7	0.280	6.534	07	2	7	200.000	2.905	00				
2	6	25.000	3.112	02	2	7	0.300	5.624	07	2	7	210.000	2.571	00				
2	6	30.000	1.973	02	2	7	0.350	3.853	07	2	7	220.000	2.289	00				
2	6	35.000	1.342	02	2	7	0.400	2.676	07	2	7	230.000	2.048	00				
2	6	40.000	9.607	01	2	7	0.450	1.902	07	2	7	240.000	1.841	00				
2	6	45.000	7.156	01	2	7	0.500	1.395	07	2	8	0.005	7.158	07				
2	6	50.000	5.499	01	2	7	0.600	8.176	06				1.346	08				
2	6	60.000	3.486	01	2	7	0.700	5.223	06				1.353	08				
2	6	70.000	2.371	01	2	7	0.800	3.570	06				1.408	08				
2	6	80.000	1.698	01	2	7	0.900	2.569	06				1.592	08				
2	6	90.000	1.265	01	2	7	1.000	1.922	06				1.592	08				
2	6	100.000	9.719	00	2	7	1.200	1.173	06				1.795	08				
2	6	110.000	7.658	00	2	7	1.400	7.787	05				1.940	08				
2	6	120.000	6.161	00	2	7	1.600	5.481	05				2.013	08				
2	6	130.000	5.044	00	2	7	1.800	4.032	05				1.986	08				
2	6	140.000	4.191	00	2	7	2.000	3.069	05				1.848	08				
2	6	150.000	3.527	00	2	7	2.500	1.729	05				1.705	08				
2	6	160.000	3.001	00	2	7	3.000	1.086	05				1.592	08				
2	6	170.000	2.579	00	2	7	3.500	7.342	04				1.509	08				
2	6	180.000	2.236	00	2	7	4.000	5.235	04				1.450	08				
2	6	190.000	1.953	00	2	7	4.500	3.888	04				1.408	08				
2	6	200.000	1.718	00	2	7	5.000	2.980	04				1.370	08				
2	6	210.000	1.521	00	2	7	5.500	2.344	04				1.334	08				
2	6	220.000	1.354	00	2	7	6.000	1.883	04				1.299	08				
2	6	230.000	1.211	00	2	7	6.500	1.540	04				1.261	08				
2	6	240.000	1.089	00	2	7	7.000	1.278	04				1.222	08				
2	7	0.005	3.429	07	2	7	8.000	9.139	03				1.181	08				
			8.277	07	2	7	9.000	6.800	03				1.139	08				
			1.120	08	2	7	10.000	5.221	03				1.096	08				
			1.344	08	2	7	12.000	3.306	03				1.052	08				
			1.512	08	2	7	14.000	2.247	03				9.632	07				
			1.618	08	2	7	16.000	1.608	03				8.758	07				
			1.679	08	2	7	18.000	1.198	03				7.916	07				
			1.724	08	2	7	20.000	9.201	02				7.125	07				
			1.820	08	2	7	25.000	5.264	02				6.388	07				
			1.919	08	2	7	30.000	3.336	02				4.808	07				
			0.060	08	2	7	35.000	2.269	02				3.589	07				
					2	8	0.400	3.589	07				0.005	7.158	07			

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
2	8	0.450	2.682	07	2	8	240.000	2.410	00	2	9	7.000	2.553	04
2	8	0.500	2.018	07						2	9	8.000	1.823	04
2	8	0.600	1.191	07	2	9	0.005	2.247	07	2	9	9.000	1.355	04
2	8	0.700	7.573	06	2	9	0.010	4.459	07	2	9	10.000	1.039	04
2	8	0.800	5.130	06	2	9	0.015	5.169	07	2	9	12.000	6.572	03
2	8	0.900	3.646	06	2	9	0.020	6.144	07	2	9	14.000	4.463	03
2	8	1.000	2.699	06	2	9	0.025	7.405	07	2	9	16.000	3.193	03
2	8	1.200	1.622	06	2	9	0.030	8.581	07	2	9	18.000	2.377	03
2	8	1.400	1.064	06	2	9	0.035	9.502	07	2	9	20.000	1.825	03
2	8	1.600	7.432	05	2	9	0.040	1.018	08	2	9	25.000	1.044	03
2	8	1.800	5.436	05	2	9	0.050	1.109	08	2	9	30.000	6.613	02
2	8	2.000	4.120	05	2	9	0.060	1.176	08	2	9	35.000	4.496	02
2	8	2.500	2.305	05	2	9	0.070	1.234	08	2	9	40.000	3.219	02
2	8	3.000	1.441	05	2	9	0.080	1.278	08	2	9	45.000	2.397	02
2	8	3.500	9.713	04	2	9	0.090	1.308	08	2	9	50.000	1.842	02
2	8	4.000	6.912	04	2	9	0.100	1.320	08	2	9	60.000	1.167	02
2	8	4.500	5.126	04	2	9	0.110	1.317	08	2	9	70.000	7.940	01
2	8	5.000	3.925	04	2	9	0.120	1.302	08	2	9	80.000	5.686	01
2	8	5.500	3.085	04	2	9	0.130	1.279	08	2	9	90.000	4.235	01
2	8	6.000	2.476	04	2	9	0.140	1.252	08	2	9	100.000	3.254	01
2	8	6.500	2.024	04	2	9	0.150	1.222	08	2	9	110.000	2.564	01
2	8	7.000	1.679	04	2	9	0.160	1.191	08	2	9	120.000	2.063	01
2	8	8.000	1.200	04	2	9	0.170	1.159	08	2	9	130.000	1.689	01
2	8	9.000	8.923	03	2	9	0.180	1.127	08	2	9	140.000	1.403	01
2	8	10.000	6.848	03	2	9	0.190	1.095	08	2	9	150.000	1.181	01
2	8	12.000	4.334	03	2	9	0.200	1.062	08	2	9	160.000	1.005	01
2	8	14.000	2.945	03	2	9	0.220	9.998	07	2	9	170.000	8.635	00
2	8	16.000	2.107	03	2	9	0.240	9.387	07	2	9	180.000	7.485	00
2	8	18.000	1.569	03	2	9	0.260	8.766	07	2	9	190.000	6.539	00
2	8	20.000	1.205	03	2	9	0.280	8.151	07	2	9	200.000	5.752	00
2	8	25.000	6.893	02	2	9	0.300	7.553	07	2	9	210.000	5.091	00
2	8	30.000	4.368	02	2	9	0.350	6.163	07	2	9	220.000	4.532	00
2	8	35.000	2.970	02	2	9	0.400	4.943	07	2	9	230.000	4.056	00
2	8	40.000	2.127	02	2	9	0.450	3.924	07	2	9	240.000	3.646	00
2	8	45.000	1.584	02	2	9	0.500	3.103	07					
2	8	50.000	1.217	02	2	9	0.600	1.958	07	2	10	0.005	6.079	07
2	8	60.000	7.715	01	2	9	0.700	1.266	07	2	10	0.010	1.004	08
2	8	70.000	5.247	01	2	9	0.800	8.550	06	2	10	0.015	8.528	07
2	8	80.000	3.757	01	2	9	0.900	6.057	06	2	10	0.020	7.949	07
2	8	90.000	2.799	01	2	9	1.000	4.451	06	2	10	0.025	8.810	07
2	8	100.000	2.151	01	2	9	1.200	2.629	06	2	10	0.030	1.017	08
2	8	110.000	1.695	01	2	9	1.400	1.702	06	2	10	0.035	1.144	08
2	8	120.000	1.363	01	2	9	1.600	1.177	06	2	10	0.040	1.240	08
2	8	130.000	1.116	01	2	9	1.800	8.548	05	2	10	0.050	1.324	08
2	8	140.000	9.273	00	2	9	2.000	6.442	05	2	10	0.060	1.298	08
2	8	150.000	7.804	00	2	9	2.500	3.570	05	2	10	0.070	1.225	08
2	8	160.000	6.641	00	2	9	3.000	2.219	05	2	10	0.080	1.149	08
2	8	170.000	5.707	00	2	9	3.500	1.491	05	2	10	0.090	1.088	08
2	8	180.000	4.947	00	2	9	4.000	1.058	05	2	10	0.100	1.042	08
2	8	190.000	4.321	00	2	9	4.500	7.831	04	2	10	0.110	1.010	08
2	8	200.000	3.801	00	2	9	5.000	5.988	04	2	10	0.120	9.893	07
2	8	210.000	3.365	00	2	9	5.500	4.701	04	2	10	0.130	9.757	07
2	8	220.000	2.995	00	2	9	6.000	3.770	04	2	10	0.140	9.628	07
2	8	230.000	2.680	00	2	9	6.500	3.079	04	2	10	0.150	9.512	07

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
2	10	0.160	9.394	07	2	10	120.000	2.581	01	2	11	1.600	2.337	06
2	10	0.170	9.267	07	2	10	130.000	2.113	01	2	11	1.800	1.667	06
2	10	0.180	9.131	07	2	10	140.000	1.756	01	2	11	2.000	1.238	06
2	10	0.190	8.983	07	2	10	150.000	1.477	01	2	11	2.500	6.693	05
2	10	0.200	8.825	07	2	10	160.000	1.257	01	2	11	3.000	4.097	05
2	10	0.220	8.487	07	2	10	170.000	1.080	01	2	11	3.500	2.724	05
2	10	0.240	8.126	07	2	10	180.000	9.365	00	2	11	4.000	1.920	05
2	10	0.260	7.750	07	2	10	190.000	8.181	00	2	11	4.500	1.414	05
2	10	0.280	7.362	07	2	10	200.000	7.197	00	2	11	5.000	1.077	05
2	10	0.300	6.970	07	2	10	210.000	6.370	00	2	11	5.500	8.426	04
2	10	0.350	6.010	07	2	10	220.000	5.671	00	2	11	6.000	6.742	04
2	10	0.400	5.114	07	2	10	230.000	5.074	00	2	11	6.500	5.495	04
2	10	0.450	4.297	07	2	10	240.000	4.562	00	2	11	7.000	4.549	04
2	10	0.500	3.584	07						2	11	8.000	3.240	04
2	10	0.600	2.449	07	2	11	0.005	1.718	07	2	11	9.000	2.403	04
2	10	0.700	1.674	07	2	11	0.010	2.966	07	2	11	10.000	1.841	04
2	10	0.800	1.164	07	2	11	0.015	2.902	07	2	11	12.000	1.162	04
2	10	0.900	8.273	06	2	11	0.020	3.193	07	2	11	14.000	7.883	03
2	10	1.000	6.065	06	2	11	0.025	3.890	07	2	11	16.000	5.634	03
2	10	1.200	3.560	06	2	11	0.030	4.698	07	2	11	18.000	4.191	03
2	10	1.400	2.276	06	2	11	0.035	5.455	07	2	11	20.000	3.217	03
2	10	1.600	1.557	06	2	11	0.040	6.098	07	2	11	25.000	1.838	03
2	10	1.800	1.121	06	2	11	0.050	7.033	07	2	11	30.000	1.164	03
2	10	2.000	8.392	05	2	11	0.060	7.637	07	2	11	35.000	7.912	02
2	10	2.500	4.598	05	2	11	0.070	8.078	07	2	11	40.000	5.664	02
2	10	3.000	2.839	05	2	11	0.080	8.438	07	2	11	45.000	4.218	02
2	10	3.500	1.898	05	2	11	0.090	8.722	07	2	11	50.000	3.240	02
2	10	4.000	1.343	05	2	11	0.100	8.929	07	2	11	60.000	2.053	02
2	10	4.500	9.915	04	2	11	0.110	9.067	07	2	11	70.000	1.396	02
2	10	5.000	7.568	04	2	11	0.120	9.129	07	2	11	80.000	9.998	01
2	10	5.500	5.933	04	2	11	0.130	9.124	07	2	11	90.000	7.447	01
2	10	6.000	4.754	04	2	11	0.140	9.071	07	2	11	100.000	5.722	01
2	10	6.500	3.878	04	2	11	0.150	8.983	07	2	11	110.000	4.508	01
2	10	7.000	3.214	04	2	11	0.160	8.875	07	2	11	120.000	3.627	01
2	10	8.000	2.292	04	2	11	0.170	8.754	07	2	11	130.000	2.969	01
2	10	9.000	1.702	04	2	11	0.180	8.625	07	2	11	140.000	2.467	01
2	10	10.000	1.305	04	2	11	0.190	8.498	07	2	11	150.000	2.076	01
2	10	12.000	8.245	03	2	11	0.200	8.365	07	2	11	160.000	1.766	01
2	10	14.000	5.596	03	2	11	0.220	8.096	07	2	11	170.000	1.518	01
2	10	16.000	4.002	03	2	11	0.240	7.826	07	2	11	180.000	1.316	01
2	10	18.000	2.978	03	2	11	0.260	7.563	07	2	11	190.000	1.149	01
2	10	20.000	2.286	03	2	11	0.280	7.302	07	2	11	200.000	1.011	01
2	10	25.000	1.307	03	2	11	0.300	7.027	07	2	11	210.000	8.950	00
2	10	30.000	8.279	02	2	11	0.350	6.320	07	2	11	220.000	7.967	00
2	10	35.000	5.628	02	2	11	0.400	5.618	07	2	11	230.000	7.129	00
2	10	40.000	4.029	02	2	11	0.450	4.933	07	2	11	240.000	6.409	00
2	10	45.000	3.001	02	2	11	0.500	4.290	07					
2	10	50.000	2.305	02	2	11	0.600	3.182	07	2	12	0.005	5.243	07
2	10	60.000	1.461	02	2	11	0.700	2.325	07	2	12	0.010	8.018	07
2	10	70.000	9.936	01	2	11	0.800	1.691	07	2	12	0.015	6.016	07
2	10	80.000	7.115	01	2	11	0.900	1.240	07	2	12	0.020	4.985	07
2	10	90.000	5.300	01	2	11	1.000	9.238	06	2	12	0.025	5.270	07
2	10	100.000	4.072	01	2	11	1.200	5.407	06	2	12	0.030	6.080	07
2	10	110.000	3.209	01	2	11	1.400	3.450	06	2	12	0.035	6.999	07

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
2	12	0.040	7.834	07	2	12	25.000	2.226	03	2	13	0.300	5.801	07
2	12	0.050	8.956	07	2	12	30.000	1.409	03	2	13	0.350	5.483	07
2	12	0.060	9.311	07	2	12	35.000	9.577	02	2	13	0.400	5.133	07
2	12	0.070	9.132	07	2	12	40.000	6.854	02	2	13	0.450	4.773	07
2	12	0.080	8.708	07	2	12	45.000	5.103	02	2	13	0.500	4.404	07
2	12	0.090	8.249	07	2	12	50.000	3.920	02	2	13	0.600	3.679	07
2	12	0.100	7.865	07	2	12	60.000	2.484	02	2	13	0.700	3.015	07
2	12	0.110	7.569	07	2	12	70.000	1.689	02	2	13	0.800	2.434	07
2	12	0.120	7.355	07	2	12	80.000	1.209	02	2	13	0.900	1.943	07
2	12	0.130	7.207	07	2	12	90.000	9.008	01	2	13	1.000	1.545	07
2	12	0.140	7.114	07	2	12	100.000	6.921	01	2	13	1.200	9.813	06
2	12	0.150	7.063	07	2	12	110.000	5.453	01	2	13	1.400	6.395	06
2	12	0.160	7.013	07	2	12	120.000	4.387	01	2	13	1.600	4.325	06
2	12	0.170	6.969	07	2	12	130.000	3.591	01	2	13	1.800	3.059	06
2	12	0.180	6.927	07	2	12	140.000	2.983	01	2	13	2.000	2.251	06
2	12	0.190	6.882	07	2	12	150.000	2.511	01	2	13	2.500	1.182	06
2	12	0.200	6.832	07	2	12	160.000	2.136	01	2	13	3.000	7.088	05
2	12	0.220	6.715	07	2	12	170.000	1.836	01	2	13	3.500	4.645	05
2	12	0.240	6.576	07	2	12	180.000	1.591	01	2	13	4.000	3.241	05
2	12	0.260	6.422	07	2	12	190.000	1.390	01	2	13	4.500	2.369	05
2	12	0.280	6.258	07	2	12	200.000	1.223	01	2	13	5.000	1.794	05
2	12	0.300	6.085	07	2	12	210.000	1.082	01	2	13	5.500	1.398	05
2	12	0.350	5.623	07	2	12	220.000	9.636	00	2	13	6.000	1.115	05
2	12	0.400	5.144	07	2	12	230.000	8.622	00	2	13	6.500	9.059	04
2	12	0.450	4.670	07	2	12	240.000	7.752	00	2	13	7.000	7.482	04
2	12	0.500	4.202	07						2	13	8.000	5.309	04
2	12	0.600	3.335	07	2	13	0.005	1.410	07	2	13	9.000	3.929	04
2	12	0.700	2.589	07	2	13	0.010	2.226	07	2	13	10.000	3.004	04
2	12	0.800	1.988	07	2	13	0.015	1.887	07	2	13	12.000	1.891	04
2	12	0.900	1.521	07	2	13	0.020	1.868	07	2	13	14.000	1.280	04
2	12	1.000	1.165	07	2	13	0.025	2.220	07	2	13	16.000	9.138	03
2	12	1.200	7.046	06	2	13	0.030	2.719	07	2	13	18.000	6.791	03
2	12	1.400	4.477	06	2	13	0.035	3.247	07	2	13	20.000	5.209	03
2	12	1.600	3.032	06	2	13	0.040	3.745	07	2	13	25.000	2.973	03
2	12	1.800	2.149	06	2	13	0.050	4.566	07	2	13	30.000	1.882	03
2	12	2.000	1.585	06	2	13	0.060	5.144	07	2	13	35.000	1.278	03
2	12	2.500	8.441	05	2	13	0.070	5.546	07	2	13	40.000	9.147	02
2	12	3.000	5.117	05	2	13	0.080	5.844	07	2	13	45.000	6.810	02
2	12	3.500	3.379	05	2	13	0.090	6.083	07	2	13	50.000	5.231	02
2	12	4.000	2.371	05	2	13	0.100	6.275	07	2	13	60.000	3.314	02
2	12	4.500	1.740	05	2	13	0.110	6.425	07	2	13	70.000	2.253	02
2	12	5.000	1.322	05	2	13	0.120	6.533	07	2	13	80.000	1.613	02
2	12	5.500	1.032	05	2	13	0.130	6.607	07	2	13	90.000	1.201	02
2	12	6.000	8.246	04	2	13	0.140	6.645	07	2	13	100.000	9.231	01
2	12	6.500	6.712	04	2	13	0.150	6.649	07	2	13	110.000	7.273	01
2	12	7.000	5.551	04	2	13	0.160	6.628	07	2	13	120.000	5.851	01
2	12	8.000	3.947	04	2	13	0.170	6.591	07	2	13	130.000	4.789	01
2	12	9.000	2.925	04	2	13	0.180	6.543	07	2	13	140.000	3.979	01
2	12	10.000	2.238	04	2	13	0.190	6.487	07	2	13	150.000	3.348	01
2	12	12.000	1.411	04	2	13	0.200	6.426	07	2	13	160.000	2.849	01
2	12	14.000	9.563	03	2	13	0.220	6.304	07	2	13	170.000	2.449	01
2	12	16.000	6.832	03	2	13	0.240	6.178	07	2	13	180.000	2.122	01
2	12	18.000	5.080	03	2	13	0.260	5.970	07	2	13	190.000	1.854	01
2	12	20.000	3.898	03	2	13	0.280	5.924	07	2	13	200.000	1.631	01

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
2	13	210.000	1.444	01	2	14	5.500	1.678	05	2	15	0.130	4.905	07
2	13	220.000	1.285	01	2	14	6.000	1.335	05	2	15	0.140	4.969	07
2	13	230.000	1.150	01	2	14	6.500	1.083	05	2	15	0.150	5.012	07
2	13	240.000	1.034	01	2	14	7.000	8.930	04	2	15	0.160	5.037	07
2	14	0.005	4.597	07	2	14	8.000	6.323	04	2	15	0.170	5.043	07
2	14	0.010	6.701	07	2	14	9.000	4.671	04	2	15	0.180	5.036	07
2	14	0.015	4.606	07	2	14	10.000	3.567	04	2	15	0.190	5.018	07
2	14	0.020	3.423	07	2	14	12.000	2.241	04	2	15	0.200	4.995	07
2	14	0.025	3.391	07	2	14	14.000	1.516	04	2	15	0.220	4.935	07
2	14	0.030	3.845	07	2	14	16.000	1.081	04	2	15	0.240	4.870	07
2	14	0.035	4.463	07	2	14	18.000	8.030	03	2	15	0.260	4.804	07
2	14	0.040	5.096	07	2	14	20.000	6.157	03	2	15	0.280	4.737	07
2	14	0.050	6.135	07	2	14	25.000	3.512	03	2	15	0.300	4.671	07
2	14	0.060	6.723	07	2	14	30.000	2.221	03	2	15	0.350	4.513	07
2	14	0.070	6.888	07	2	14	35.000	1.509	03	2	15	0.400	4.347	07
2	14	0.080	6.766	07	2	14	40.000	1.079	03	2	15	0.450	4.162	07
2	14	0.090	6.503	07	2	14	45.000	8.035	02	2	15	0.500	3.969	07
2	14	0.100	6.207	07	2	14	50.000	6.171	02	2	15	0.600	3.559	07
2	14	0.110	5.942	07	2	14	60.000	3.909	02	2	15	0.700	3.140	07
2	14	0.120	5.736	07	2	14	70.000	2.657	02	2	15	0.800	2.736	07
2	14	0.130	5.577	07	2	14	80.000	1.902	02	2	15	0.900	2.356	07
2	14	0.140	5.462	07	2	14	90.000	1.417	02	2	15	1.000	2.009	07
2	14	0.150	5.384	07	2	14	100.000	1.089	02	2	15	1.200	1.435	07
2	14	0.160	5.337	07	2	14	110.000	8.576	01	2	15	1.400	1.015	07
2	14	0.170	5.314	07	2	14	120.000	6.899	01	2	15	1.600	7.222	06
2	14	0.180	5.294	07	2	14	130.000	5.647	01	2	15	1.800	5.215	06
2	14	0.190	5.276	07	2	14	140.000	4.692	01	2	15	2.000	3.846	06
2	14	0.200	5.260	07	2	14	150.000	3.948	01	2	15	2.500	1.997	06
2	14	0.220	5.225	07	2	14	160.000	3.360	01	2	15	3.000	1.175	06
2	14	0.240	5.179	07	2	14	170.000	2.887	01	2	15	3.500	7.571	05
2	14	0.260	5.120	07	2	14	180.000	2.502	01	2	15	4.000	5.215	05
2	14	0.280	5.050	07	2	14	190.000	2.186	01	2	15	4.500	3.774	05
2	14	0.300	4.974	07	2	14	200.000	1.923	01	2	15	5.000	2.837	05
2	14	0.350	4.762	07	2	14	210.000	1.702	01	2	15	5.500	2.197	05
2	14	0.400	4.524	07	2	14	220.000	1.515	01	2	15	6.000	1.744	05
2	14	0.450	4.272	07	2	14	230.000	1.356	01	2	15	6.500	1.412	05
2	14	0.500	4.017	07	2	14	240.000	1.219	01	2	15	7.000	1.162	05
2	14	0.600	3.495	07	2	15	0.005	1.203	07	2	15	8.000	8.209	04
2	14	0.700	2.987	07	2	15	0.010	1.795	07	2	15	9.000	6.053	04
2	14	0.800	2.512	07	2	15	0.015	1.363	07	2	15	10.000	4.615	04
2	14	0.900	2.090	07	2	15	0.020	1.206	07	2	15	12.000	2.894	04
2	14	1.000	1.725	07	2	15	0.025	1.367	07	2	15	14.000	1.955	04
2	14	1.200	1.161	07	2	15	0.030	1.668	07	2	15	16.000	1.393	04
2	14	1.400	7.856	06	2	15	0.035	2.020	07	2	15	18.000	1.034	04
2	14	1.600	5.419	06	2	15	0.040	2.378	07	2	15	20.000	7.924	03
2	14	1.800	3.846	06	2	15	0.050	3.029	07	2	15	25.000	4.515	03
2	14	2.000	2.818	06	2	15	0.060	3.543	07	2	15	30.000	2.855	03
2	14	2.500	1.471	06	2	15	0.070	3.920	07	2	15	35.000	1.938	03
2	14	3.000	8.725	05	2	15	0.080	4.196	07	2	15	40.000	1.386	03
2	14	3.500	5.670	05	2	15	0.090	4.405	07	2	15	45.000	1.032	03
2	14	4.000	3.932	05	2	15	0.100	4.571	07	2	15	50.000	7.924	02
2	14	4.500	2.860	05	2	15	0.110	4.709	07	2	15	60.000	5.018	02
2	14	5.000	2.159	05	2	15	0.120	4.820	07	2	15	70.000	3.411	02
					2	15				2	15	80.000	2.442	02

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
2	15	90.000	1.819	02	2	16	1.000	2.040	07	2	17	0.025	9.013	06
2	15	100.000	1.397	02	2	16	1.200	1.538	07	2	17	0.030	1.081	07
2	15	110.000	1.101	02	2	16	1.400	1.140	07	2	17	0.035	1.314	07
2	15	120.000	8.854	01	2	16	1.600	8.406	06	2	17	0.040	1.565	07
2	15	130.000	7.247	01	2	16	1.800	6.224	06	2	17	0.050	2.059	07
2	15	140.000	6.021	01	2	16	2.000	4.664	06	2	17	0.060	2.486	07
2	15	150.000	5.067	01	2	16	2.500	2.436	06	2	17	0.070	2.826	07
2	15	160.000	4.311	01	2	16	3.000	1.430	06	2	17	0.080	3.084	07
2	15	170.000	3.705	01	2	16	3.500	9.144	05	2	17	0.090	3.280	07
2	15	180.000	3.211	01	2	16	4.000	6.254	05	2	17	0.100	3.431	07
2	15	190.000	2.805	01	2	16	4.500	4.501	05	2	17	0.110	3.553	07
2	15	200.000	2.467	01	2	16	5.000	3.368	05	2	17	0.120	3.654	07
2	15	210.000	2.184	01	2	16	5.500	2.600	05	2	17	0.130	3.738	07
2	15	220.000	1.944	01	2	16	6.000	2.057	05	2	17	0.140	3.806	07
2	15	230.000	1.740	01	2	16	6.500	1.662	05	2	17	0.150	3.859	07
2	15	240.000	1.564	01	2	16	7.000	1.366	05	2	17	0.160	3.898	07
					2	16	8.000	9.614	04	2	17	0.170	3.926	07
2	16	0.005	4.084	07	2	16	9.000	7.074	04	2	17	0.180	3.943	07
2	16	0.010	5.771	07	2	16	10.000	5.385	04	2	17	0.190	3.949	07
2	16	0.015	3.732	07	2	16	12.000	3.369	04	2	17	0.200	3.947	07
2	16	0.020	2.527	07	2	16	14.000	2.272	04	2	17	0.220	3.926	07
2	16	0.025	2.329	07	2	16	16.000	1.617	04	2	17	0.240	3.893	07
2	16	0.030	2.562	07	2	16	18.000	1.200	04	2	17	0.260	3.854	07
2	16	0.035	2.965	07	2	16	20.000	9.188	03	2	17	0.280	3.817	07
2	16	0.040	3.420	07	2	16	25.000	5.231	03	2	17	0.300	3.779	07
2	16	0.050	4.271	07	2	16	30.000	3.305	03	2	17	0.350	3.686	07
2	16	0.060	4.885	07	2	16	35.000	2.243	03	2	17	0.400	3.601	07
2	16	0.070	5.213	07	2	16	40.000	1.604	03	2	17	0.450	3.509	07
2	16	0.080	5.295	07	2	16	45.000	1.194	03	2	17	0.500	3.405	07
2	16	0.090	5.211	07	2	16	50.000	9.165	02	2	17	0.600	3.180	07
2	16	0.100	5.038	07	2	16	60.000	5.803	02	2	17	0.700	2.935	07
2	16	0.110	4.838	07	2	16	70.000	3.944	02	2	17	0.800	2.683	07
2	16	0.120	4.650	07	2	16	80.000	2.823	02	2	17	0.900	2.430	07
2	16	0.130	4.496	07	2	16	90.000	2.102	02	2	17	1.000	2.183	07
2	16	0.140	4.374	07	2	16	100.000	1.615	02	2	17	1.200	1.724	07
2	16	0.150	4.281	07	2	16	110.000	1.272	02	2	17	1.400	1.336	07
2	16	0.160	4.213	07	2	16	120.000	1.023	02	2	17	1.600	1.022	07
2	16	0.170	4.168	07	2	16	130.000	8.377	01	2	17	1.800	7.801	06
2	16	0.180	4.140	07	2	16	140.000	6.960	01	2	17	2.000	5.971	06
2	16	0.190	4.129	07	2	16	150.000	5.856	01	2	17	2.500	3.200	06
2	16	0.200	4.121	07	2	16	160.000	4.983	01	2	17	3.000	1.871	06
2	16	0.220	4.108	07	2	16	170.000	4.282	01	2	17	3.500	1.195	06
2	16	0.240	4.095	07	2	16	180.000	3.712	01	2	17	4.000	8.118	05
2	16	0.260	4.077	07	2	16	190.000	3.242	01	2	17	4.500	5.809	05
2	16	0.280	4.052	07	2	16	200.000	2.852	01	2	17	5.000	4.326	05
2	16	0.300	4.020	07	2	16	210.000	2.524	01	2	17	5.500	3.326	05
2	16	0.350	3.919	07	2	16	220.000	2.247	01	2	17	6.000	2.624	05
2	16	0.400	3.803	07	2	16	230.000	2.011	01	2	17	6.500	2.114	05
2	16	0.450	3.672	07	2	16	240.000	1.808	01	2	17	7.000	1.733	05
2	16	0.500	3.533	07						2	17	8.000	1.216	05
2	16	0.600	3.242	07	2	17	0.005	1.051	07	2	17	9.000	8.926	04
2	16	0.700	2.935	07	2	17	0.010	1.511	07	2	17	10.000	6.782	04
2	16	0.800	2.627	07	2	17	0.015	1.058	07	2	17	12.000	4.232	04
2	16	0.900	2.325	07	2	17	0.020	8.434	06	2	17	14.000	2.849	04

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
2	17	16.000	2.026	04	2	18	0.240	3.287	07	2	18	180.000	5.264	01
2	17	18.000	1.501	04	2	18	0.260	3.283	07	2	18	190.000	4.598	01
2	17	20.000	1.149	04	2	18	0.280	3.277	07	2	18	200.000	4.044	01
2	17	25.000	6.535	03	2	18	0.300	3.267	07	2	18	210.000	3.580	01
2	17	30.000	4.126	03	2	18	0.350	3.224	07	2	18	220.000	3.186	01
2	17	35.000	2.800	03	2	18	0.400	3.164	07	2	18	230.000	2.851	01
2	17	40.000	2.001	03	2	18	0.450	3.096	07	2	18	240.000	2.563	01
2	17	45.000	1.489	03	2	18	0.500	3.020	07	3	4	0.005	9.999	04
2	17	50.000	1.143	03	2	18	0.600	2.853	07	3	4	0.010	3.980	05
2	17	60.000	7.236	02	2	18	0.700	2.676	07	3	4	0.015	8.882	05
2	17	70.000	4.917	02	2	18	0.800	2.488	07	3	4	0.020	1.561	06
2	17	80.000	3.519	02	2	18	0.900	2.294	07	3	4	0.025	2.404	06
2	17	90.000	2.620	02	2	18	1.000	2.099	07	3	4	0.030	3.402	06
2	17	100.000	2.013	02	2	18	1.200	1.725	07	3	4	0.035	4.536	06
2	17	110.000	1.586	02	2	18	1.400	1.389	07	3	4	0.040	5.787	06
2	17	120.000	1.275	02	2	18	1.600	1.102	07	3	4	0.050	8.560	06
2	17	130.000	1.044	02	2	18	1.800	8.677	06	3	4	0.060	1.156	07
2	17	140.000	8.673	01	2	18	2.000	6.814	06	3	4	0.070	1.463	07
2	17	150.000	7.298	01	2	18	2.500	3.795	06	3	4	0.080	1.764	07
2	17	160.000	6.210	01	2	18	3.000	2.240	06	3	4	0.090	2.052	07
2	17	170.000	5.336	01	2	18	3.500	1.424	06	3	4	0.100	2.318	07
2	17	180.000	4.625	01	2	18	4.000	9.653	05	3	4	0.110	2.561	07
2	17	190.000	4.040	01	2	18	4.500	6.869	05	3	4	0.120	2.780	07
2	17	200.000	3.554	01	2	18	5.000	5.091	05	3	4	0.130	2.976	07
2	17	210.000	3.145	01	2	18	5.500	3.898	05	3	4	0.140	3.149	07
2	17	220.000	2.800	01	2	18	6.000	3.065	05	3	4	0.150	3.304	07
2	17	230.000	2.505	01	2	18	6.500	2.462	05	3	4	0.160	3.440	07
2	17	240.000	2.252	01	2	18	7.000	2.014	05	3	4	0.170	3.560	07
2	18	0.005	3.670	07	2	18	8.000	1.408	05	3	4	0.180	3.665	07
2	18	0.010	5.079	07	2	18	9.000	1.030	05	3	4	0.190	3.755	07
2	18	0.015	3.146	07	2	18	10.000	7.812	04	3	4	0.200	3.833	07
2	18	0.020	1.974	07	2	18	12.000	4.860	04	3	4	0.220	3.951	07
2	18	0.025	1.693	07	2	18	14.000	3.266	04	3	4	0.240	4.021	07
2	18	0.030	1.791	07	2	18	16.000	2.319	04	3	4	0.260	4.049	07
2	18	0.035	2.048	07	2	18	18.000	1.717	04	3	4	0.280	4.042	07
2	18	0.040	2.369	07	2	18	20.000	1.313	04	3	4	0.300	4.010	07
2	18	0.050	3.030	07	2	18	25.000	7.459	03	3	4	0.350	3.848	07
2	18	0.060	3.583	07	2	18	30.000	4.706	03	3	4	0.400	3.626	07
2	18	0.070	3.959	07	2	18	35.000	3.191	03	3	4	0.450	3.386	07
2	18	0.080	4.152	07	2	18	40.000	2.281	03	3	4	0.500	3.134	07
2	18	0.090	4.196	07	2	18	45.000	1.696	03	3	4	0.600	2.636	07
2	18	0.100	4.136	07	2	18	50.000	1.302	03	3	4	0.700	2.167	07
2	18	0.110	4.017	07	2	18	60.000	8.240	02	3	4	0.800	1.743	07
2	18	0.120	3.877	07	2	18	70.000	5.599	02	3	4	0.900	1.388	07
2	18	0.130	3.740	07	2	18	80.000	4.007	02	3	4	1.000	1.099	07
2	18	0.140	3.620	07	2	18	90.000	2.983	02	3	4	1.200	6.932	06
2	18	0.150	3.525	07	2	18	100.000	2.291	02	3	4	1.400	4.508	06
2	18	0.160	3.449	07	2	18	110.000	1.805	02	3	4	1.600	3.065	06
2	18	0.170	3.390	07	2	18	120.000	1.452	02	3	4	1.800	2.169	06
2	18	0.180	3.348	07	2	18	130.000	1.188	02	3	4	2.000	1.597	06
2	18	0.190	3.319	07	2	18	140.000	9.871	01	3	4	2.500	8.398	05
2	18	0.200	3.302	07	2	18	150.000	8.306	01	3	4	3.000	5.037	05
2	18	0.220	3.292	07	2	18	160.000	7.068	01	3	4	3.500	3.300	05
					2	18	170.000	6.073	01					

Table IV. THE STARK BROADENING FUNCTIONS, $S(a)$

n'	n	a	$S(a)$		n'	n	a	$S(a)$		n'	n	a	$S(a)$	
3	5	0.100	3.142	07	3	4	4.000	2.302	05	3	5	60.000	3.588	02
3	5	0.110	3.496	07	3	4	4.500	1.682	05	3	5	70.000	2.440	02
3	5	0.120	3.848	07	3	4	5.000	1.274	05	3	5	80.000	1.747	02
3	5	0.130	4.192	07	3	4	5.500	9.924	04	3	5	90.000	1.301	02
3	5	0.140	4.522	07	3	4	6.000	7.912	04	3	5	100.000	9.995	01
3	5	0.150	4.833	07	3	4	6.500	6.430	04	3	5	110.000	7.875	01
3	5	0.160	5.119	07	3	4	7.000	5.310	04	3	5	120.000	6.334	01
3	5	0.170	5.380	07	3	4	8.000	3.768	04	3	5	130.000	5.185	01
3	5	0.180	5.616	07	3	4	9.000	2.788	04	3	5	140.000	4.308	01
3	5	0.190	5.827	07	3	4	10.000	2.131	04	3	5	150.000	3.625	01
3	5	0.200	6.012	07	3	4	12.000	1.341	04	3	5	160.000	3.085	01
3	5	0.220	6.311	07	3	4	14.000	9.082	03	3	5	170.000	2.651	01
3	5	0.240	6.523	07	3	4	16.000	6.483	03	3	5	180.000	2.298	01
3	5	0.260	6.656	07	3	4	18.000	4.818	03	3	5	190.000	2.007	01
3	5	0.280	6.720	07	3	4	20.000	3.696	03	3	5	200.000	1.766	01
3	5	0.300	6.727	07	3	4	25.000	2.109	03	3	5	210.000	1.563	01
3	5	0.350	6.534	07	3	4	30.000	1.335	03	3	5	220.000	1.391	01
3	5	0.400	6.148	07	3	4	35.000	9.068	02	3	5	230.000	1.245	01
3	5	0.450	5.670	07	3	4	40.000	6.489	02	3	5	240.000	1.119	01
3	5	0.500	5.159	07	3	4	45.000	4.831	02	3	6	0.005	2.659	05
3	5	0.600	4.160	07	3	4	50.000	3.710	02	3	6	0.010	1.056	06
3	5	0.700	3.310	07	3	4	60.000	2.351	02	3	6	0.015	2.350	06
3	5	0.800	2.618	07	3	4	70.000	1.598	02	3	6	0.020	4.112	06
3	5	0.900	2.064	07	3	4	80.000	1.144	02	3	6	0.025	6.295	06
3	5	1.000	1.635	07	3	4	90.000	8.522	01	3	6	0.030	8.843	06
3	5	1.200	1.039	07	3	4	100.000	6.548	01	3	6	0.035	1.169	07
3	5	1.400	6.825	06	3	4	110.000	5.159	01	3	6	0.040	1.477	07
3	5	1.600	4.647	06	3	4	120.000	4.150	01	3	6	0.050	2.132	07
3	5	1.800	3.299	06	3	4	130.000	3.397	01	3	6	0.060	2.793	07
3	5	2.000	2.428	06	3	4	140.000	2.822	01	3	6	0.070	3.409	07
3	5	2.500	1.279	06	3	4	150.000	2.375	01	3	6	0.080	3.941	07
3	5	3.000	7.675	05	3	4	160.000	2.021	01	3	6	0.090	4.363	07
3	5	3.500	5.030	05	3	4	170.000	1.737	01	3	6	0.100	4.667	07
3	5	4.000	3.509	05	3	4	180.000	1.506	01	3	6	0.110	4.854	07
3	5	4.500	2.565	05	3	4	190.000	1.315	01	3	6	0.120	4.937	07
3	5	5.000	1.943	05	3	4	200.000	1.157	01	3	6	0.130	4.935	07
3	5	5.500	1.514	05	3	4	210.000	1.024	01	3	6	0.140	4.866	07
3	5	6.000	1.207	05	3	4	220.000	9.115	00	3	6	0.150	4.753	07
3	5	6.500	9.808	04	3	4	230.000	8.156	00	3	6	0.160	4.613	07
3	5	7.000	8.101	04	3	4	240.000	7.333	00	3	6	0.170	4.462	07
3	5	8.000	5.748	04	3	5	0.005	2.720	05	3	6	0.180	4.311	07
3	5	9.000	4.254	04	3	5	0.010	1.063	06	3	6	0.190	4.168	07
3	5	10.000	3.252	04	3	5	0.015	2.304	06	3	6	0.200	4.039	07
3	5	12.000	2.047	04	3	5	0.020	3.893	06	3	6	0.220	3.836	07
3	5	14.000	1.386	04	3	5	0.025	5.712	06	3	6	0.240	3.692	07
3	5	16.000	9.894	03	3	5	0.030	7.649	06	3	6	0.260	3.602	07
3	5	18.000	7.353	03	3	5	0.035	9.608	06	3	6	0.280	3.558	07
3	5	20.000	5.640	03	3	5	0.040	1.152	07	3	6	0.300	3.552	07
3	5	25.000	3.219	03	3	5	0.050	1.509	07	3	6	0.350	3.618	07
3	5	30.000	2.037	03	3	5	0.060	1.833	07	3	6	0.400	3.707	07
3	5	35.000	1.384	03	3	5	0.070	2.145	07	3	6	0.450	3.779	07
3	5	40.000	9.904	02	3	5	0.080	2.462	07	3	6	0.500	3.808	07
3	5	45.000	7.373	02	3	5	0.090	2.795	07	3	6	0.600	3.719	07
3	5	50.000	5.663	02										

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
3	6	0.700	3.465	07	3	7	0.010	2.393	06	3	7	10.000	6.754	04
3	6	0.800	3.109	07	3	7	0.015	4.849	06	3	7	12.000	4.215	04
3	6	0.900	2.717	07	3	7	0.020	7.527	06	3	7	14.000	2.837	04
3	6	1.000	2.331	07	3	7	0.025	1.005	07	3	7	16.000	2.017	04
3	6	1.200	1.662	07	3	7	0.030	1.224	07	3	7	18.000	1.495	04
3	6	1.400	1.169	07	3	7	0.035	1.410	07	3	7	20.000	1.144	04
3	6	1.600	8.276	06	3	7	0.040	1.573	07	3	7	25.000	6.506	03
3	6	1.800	5.948	06	3	7	0.050	1.879	07	3	7	30.000	4.108	03
3	6	2.000	4.383	06	3	7	0.060	2.195	07	3	7	35.000	2.787	03
3	6	2.500	2.271	06	3	7	0.070	2.516	07	3	7	40.000	1.992	03
3	6	3.000	1.335	06	3	7	0.080	2.817	07	3	7	45.000	1.482	03
3	6	3.500	8.592	05	3	7	0.090	3.084	07	3	7	50.000	1.138	03
3	6	4.000	5.914	05	3	7	0.100	3.304	07	3	7	60.000	7.203	02
3	6	4.500	4.278	05	3	7	0.110	3.482	07	3	7	70.000	4.895	02
3	6	5.000	3.214	05	3	7	0.120	3.625	07	3	7	80.000	3.503	02
3	6	5.500	2.489	05	3	7	0.130	3.741	07	3	7	90.000	2.609	02
3	6	6.000	1.975	05	3	7	0.140	3.838	07	3	7	100.000	2.004	02
3	6	6.500	1.598	05	3	7	0.150	3.923	07	3	7	110.000	1.579	02
3	6	7.000	1.316	05	3	7	0.160	3.999	07	3	7	120.000	1.270	02
3	6	8.000	9.289	04	3	7	0.170	4.068	07	3	7	130.000	1.039	02
3	6	9.000	6.848	04	3	7	0.180	4.133	07	3	7	140.000	8.633	01
3	6	10.000	5.220	04	3	7	0.190	4.190	07	3	7	150.000	7.265	01
3	6	12.000	3.273	04	3	7	0.200	4.239	07	3	7	160.000	6.182	01
3	6	14.000	2.210	04	3	7	0.220	4.313	07	3	7	170.000	5.312	01
3	6	16.000	1.575	04	3	7	0.240	4.353	07	3	7	180.000	4.604	01
3	6	18.000	1.169	04	3	7	0.260	4.362	07	3	7	190.000	4.022	01
3	6	20.000	8.957	03	3	7	0.280	4.339	07	3	7	200.000	3.538	01
3	6	25.000	5.104	03	3	7	0.300	4.288	07	3	7	210.000	3.131	01
3	6	30.000	3.227	03	3	7	0.350	4.086	07	3	7	220.000	2.787	01
3	6	35.000	2.191	03	3	7	0.400	3.842	07	3	7	230.000	2.494	01
3	6	40.000	1.567	03	3	7	0.450	3.606	07	3	7	240.000	2.242	01
3	6	45.000	1.166	03	3	7	0.500	3.387	07	3	8	0.005	1.684	05
3	6	50.000	8.955	02	3	7	0.600	3.032	07	3	8	0.010	6.644	05
3	6	60.000	5.671	02	3	7	0.700	2.762	07	3	8	0.015	1.461	06
3	6	70.000	3.855	02	3	7	0.800	2.526	07	3	8	0.020	2.519	06
3	6	80.000	2.760	02	3	7	0.900	2.311	07	3	8	0.025	3.786	06
3	6	90.000	2.055	02	3	7	1.000	2.104	07	3	8	0.030	5.209	06
3	6	100.000	1.579	02	3	7	1.200	1.699	07	3	8	0.035	6.734	06
3	6	110.000	1.244	02	3	7	1.400	1.334	07	3	8	0.040	8.311	06
3	6	120.000	1.001	02	3	7	1.600	1.026	07	3	8	0.050	1.146	07
3	6	130.000	8.190	01	3	7	1.800	7.837	06	3	8	0.060	1.443	07
3	6	140.000	6.804	01	3	7	2.000	5.991	06	3	8	0.070	1.710	07
3	6	150.000	5.726	01	3	7	2.500	3.200	06	3	8	0.080	1.942	07
3	6	160.000	4.872	01	3	7	3.000	1.870	06	3	8	0.090	2.141	07
3	6	170.000	4.187	01	3	7	3.500	1.192	06	3	8	0.100	2.307	07
3	6	180.000	3.629	01	3	7	4.000	8.096	05	3	8	0.110	2.441	07
3	6	190.000	3.170	01	3	7	4.500	5.791	05	3	8	0.120	2.544	07
3	6	200.000	2.788	01	3	7	5.000	4.312	05	3	8	0.130	2.620	07
3	6	210.000	2.468	01	3	7	5.500	3.315	05	3	8	0.140	2.671	07
3	6	220.000	2.197	01	3	7	6.000	2.615	05	3	8	0.150	2.701	07
3	6	230.000	1.966	01	3	7	6.500	2.106	05	3	8	0.160	2.715	07
3	6	240.000	1.767	01	3	7	7.000	1.727	05	3	8	0.170	2.713	07
3	7	0.005	6.389	05	3	7	8.000	1.211	05	3	8	0.180	2.701	07
					3	7	9.000	8.890	04					

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
3	8	0.190	2.682	07	3	8	150.000	1.088	02	3	9	2.500	6.334	06
3	8	0.200	2.659	07	3	8	160.000	9.260	01	3	9	3.000	4.111	06
3	8	0.220	2.610	07	3	8	170.000	7.957	01	3	9	3.500	2.706	06
3	8	0.240	2.570	07	3	8	180.000	6.897	01	3	9	4.000	1.837	06
3	8	0.260	2.544	07	3	8	190.000	6.024	01	3	9	4.500	1.300	06
3	8	0.280	2.536	07	3	8	200.000	5.299	01	3	9	5.000	9.556	05
3	8	0.300	2.540	07	3	8	210.000	4.690	01	3	9	5.500	7.229	05
3	8	0.350	2.589	07	3	8	220.000	4.175	01	3	9	6.000	5.617	05
3	8	0.400	2.670	07	3	8	230.000	3.735	01	3	9	6.500	4.466	05
3	8	0.450	2.738	07	3	8	240.000	3.358	01	3	9	7.000	3.620	05
3	8	0.500	2.782	07						3	9	8.000	2.494	05
3	8	0.600	2.787	07	3	9	0.005	2.325	05	3	9	9.000	1.805	05
3	8	0.700	2.703	07	3	9	0.010	9.180	05	3	9	10.000	1.357	05
3	8	0.800	2.567	07	3	9	0.015	2.022	06	3	9	12.000	8.346	04
3	8	0.900	2.407	07	3	9	0.020	3.491	06	3	9	14.000	5.564	04
3	8	1.000	2.236	07	3	9	0.025	5.253	06	3	9	16.000	3.930	04
3	8	1.200	1.903	07	3	9	0.030	7.230	06	3	9	18.000	2.898	04
3	8	1.400	1.596	07	3	9	0.035	9.334	06	3	9	20.000	2.210	04
3	8	1.600	1.319	07	3	9	0.040	1.148	07	3	9	25.000	1.249	04
3	8	1.800	1.079	07	3	9	0.050	1.561	07	3	9	30.000	7.856	03
3	8	2.000	8.752	06	3	9	0.060	1.914	07	3	9	35.000	5.317	03
3	8	2.500	5.139	06	3	9	0.070	2.180	07	3	9	40.000	3.795	03
3	8	3.000	3.096	06	3	9	0.080	2.356	07	3	9	45.000	2.819	03
3	8	3.500	1.970	06	3	9	0.090	2.455	07	3	9	50.000	2.162	03
3	8	4.000	1.332	06	3	9	0.100	2.498	07	3	9	60.000	1.367	03
3	8	4.500	9.436	05	3	9	0.110	2.508	07	3	9	70.000	9.283	02
3	8	5.000	6.956	05	3	9	0.120	2.502	07	3	9	80.000	6.640	02
3	8	5.500	5.300	05	3	9	0.130	2.495	07	3	9	90.000	4.942	02
3	8	6.000	4.149	05	3	9	0.140	2.494	07	3	9	100.000	3.795	02
3	8	6.500	3.321	05	3	9	0.150	2.505	07	3	9	110.000	2.989	02
3	8	7.000	2.709	05	3	9	0.160	2.524	07	3	9	120.000	2.403	02
3	8	8.000	1.885	05	3	9	0.170	2.550	07	3	9	130.000	1.967	02
3	8	9.000	1.374	05	3	9	0.180	2.581	07	3	9	140.000	1.634	02
3	8	10.000	1.039	05	3	9	0.190	2.615	07	3	9	150.000	1.375	02
3	8	12.000	6.443	04	3	9	0.200	2.651	07	3	9	160.000	1.170	02
3	8	14.000	4.319	04	3	9	0.220	2.721	07	3	9	170.000	1.005	02
3	8	16.000	3.061	04	3	9	0.240	2.775	07	3	9	180.000	8.710	01
3	8	18.000	2.264	04	3	9	0.260	2.806	07	3	9	190.000	7.608	01
3	8	20.000	1.730	04	3	9	0.280	2.817	07	3	9	200.000	6.691	01
3	8	25.000	9.809	03	3	9	0.300	2.810	07	3	9	210.000	5.922	01
3	8	30.000	6.183	03	3	9	0.350	2.735	07	3	9	220.000	5.272	01
3	8	35.000	4.190	03	3	9	0.400	2.621	07	3	9	230.000	4.717	01
3	8	40.000	2.993	03	3	9	0.450	2.507	07	3	9	240.000	4.240	01
3	8	45.000	2.226	03	3	9	0.500	2.405	07					
3	8	50.000	1.708	03	3	9	0.600	2.242	07	3	10	0.005	7.724	04
3	8	60.000	1.081	03	3	9	0.700	2.135	07	3	10	0.010	3.059	05
3	8	70.000	7.340	02	3	9	0.800	2.046	07	3	10	0.015	6.770	05
3	8	80.000	5.252	02	3	9	0.900	1.964	07	3	10	0.020	1.176	06
3	8	90.000	3.910	02	3	9	1.000	1.880	07	3	10	0.025	1.786	06
3	8	100.000	3.003	02	3	9	1.200	1.701	07	3	10	0.030	2.484	06
3	8	110.000	2.365	02	3	9	1.400	1.508	07	3	10	0.035	3.249	06
3	8	120.000	1.902	02	3	9	1.600	1.315	07	3	10	0.040	4.058	06
3	8	130.000	1.557	02	3	9	1.800	1.133	07	3	10	0.050	5.726	06
3	8	140.000	1.293	02	3	9	2.000	9.666	06	3	10	0.060	7.352	06

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$	n'	n	α	$S(\alpha)$	n'	n	α	$S(\alpha)$
3	10	0.070	8.849 06	3	10	40.000	5.358 03	3	11	0.450	1.818 07
3	10	0.080	1.018 07	3	10	45.000	3.978 03	3	11	0.500	1.757 07
3	10	0.090	1.135 07	3	10	50.000	3.049 03	3	11	0.600	1.660 07
3	10	0.100	1.237 07	3	10	60.000	1.926 03	3	11	0.700	1.595 07
3	10	0.110	1.326 07	3	10	70.000	1.307 03	3	11	0.800	1.555 07
3	10	0.120	1.405 07	3	10	80.000	9.344 02	3	11	0.900	1.521 07
3	10	0.130	1.475 07	3	10	90.000	6.953 02	3	11	1.000	1.489 07
3	10	0.140	1.537 07	3	10	100.000	5.338 02	3	11	1.200	1.417 07
3	10	0.150	1.591 07	3	10	110.000	4.203 02	3	11	1.400	1.335 07
3	10	0.160	1.637 07	3	10	120.000	3.380 02	3	11	1.600	1.243 07
3	10	0.170	1.675 07	3	10	130.000	2.765 02	3	11	1.800	1.147 07
3	10	0.180	1.707 07	3	10	140.000	2.297 02	3	11	2.000	1.051 07
3	10	0.190	1.732 07	3	10	150.000	1.932 02	3	11	2.500	8.222 06
3	10	0.200	1.752 07	3	10	160.000	1.644 02	3	11	3.000	6.245 06
3	10	0.220	1.777 07	3	10	170.000	1.412 02	3	11	3.500	4.653 06
3	10	0.240	1.789 07	3	10	180.000	1.224 02	3	11	4.000	3.441 06
3	10	0.260	1.793 07	3	10	190.000	1.069 02	3	11	4.500	2.557 06
3	10	0.280	1.795 07	3	10	200.000	9.404 01	3	11	5.000	1.920 06
3	10	0.300	1.798 07	3	10	210.000	8.323 01	3	11	5.500	1.460 06
3	10	0.350	1.819 07	3	10	220.000	7.408 01	3	11	6.000	1.130 06
3	10	0.400	1.854 07	3	10	230.000	6.628 01	3	11	6.500	8.932 05
3	10	0.450	1.895 07	3	10	240.000	5.959 01	3	11	7.000	7.192 05
3	10	0.500	1.935 07					3	11	8.000	4.872 05
3	10	0.600	1.976 07	3	11	0.005	2.136 05	3	11	9.000	3.467 05
3	10	0.700	1.972 07	3	11	0.010	8.414 05	3	11	10.000	2.569 05
3	10	0.800	1.933 07	3	11	0.015	1.845 06	3	11	12.000	1.546 05
3	10	0.900	1.875 07	3	11	0.020	3.165 06	3	11	14.000	1.016 05
3	10	1.000	1.810 07	3	11	0.025	4.725 06	3	11	16.000	7.101 04
3	10	1.200	1.667 07	3	11	0.030	6.441 06	3	11	18.000	5.197 04
3	10	1.400	1.524 07	3	11	0.035	8.225 06	3	11	20.000	3.940 04
3	10	1.600	1.381 07	3	11	0.040	9.993 06	3	11	25.000	2.206 04
3	10	1.800	1.240 07	3	11	0.050	1.320 07	3	11	30.000	1.380 04
3	10	2.000	1.104 07	3	11	0.060	1.566 07	3	11	35.000	9.304 03
3	10	2.500	7.987 06	3	11	0.070	1.723 07	3	11	40.000	6.623 03
3	10	3.000	5.620 06	3	11	0.080	1.796 07	3	11	45.000	4.912 03
3	10	3.500	3.927 06	3	11	0.090	1.808 07	3	11	50.000	3.762 03
3	10	4.000	2.769 06	3	11	0.100	1.782 07	3	11	60.000	2.373 03
3	10	4.500	1.984 06	3	11	0.110	1.739 07	3	11	70.000	1.609 03
3	10	5.000	1.456 06	3	11	0.120	1.696 07	3	11	80.000	1.150 03
3	10	5.500	1.101 06	3	11	0.130	1.661 07	3	11	90.000	8.555 02
3	10	6.000	8.542 05	3	11	0.140	1.641 07	3	11	100.000	6.566 02
3	10	6.500	6.758 05	3	11	0.150	1.633 07	3	11	110.000	5.169 02
3	10	7.000	5.447 05	3	11	0.160	1.635 07	3	11	120.000	4.155 02
3	10	8.000	3.713 05	3	11	0.170	1.648 07	3	11	130.000	3.400 02
3	10	9.000	2.664 05	3	11	0.180	1.667 07	3	11	140.000	2.823 02
3	10	10.000	1.989 05	3	11	0.190	1.693 07	3	11	150.000	2.375 02
3	10	12.000	1.211 05	3	11	0.200	1.723 07	3	11	160.000	2.021 02
3	10	14.000	8.020 04	3	11	0.220	1.785 07	3	11	170.000	1.736 02
3	10	16.000	5.637 04	3	11	0.240	1.840 07	3	11	180.000	1.504 02
3	10	18.000	4.143 04	3	11	0.260	1.884 07	3	11	190.000	1.314 02
3	10	20.000	3.151 04	3	11	0.280	1.915 07	3	11	200.000	1.156 02
3	10	25.000	1.773 04	3	11	0.300	1.932 07	3	11	210.000	1.023 02
3	10	30.000	1.113 04	3	11	0.350	1.929 07	3	11	220.000	9.102 01
3	10	35.000	7.517 03	3	11	0.400	1.882 07	3	11	230.000	8.144 01

Table IV. THE STARK BROADENING FUNCTIONS, $S(a)$

n'	n	a	$S(a)$		n'	n	a	$S(a)$		n'	n	a	$S(a)$	
3	11	240.000	7.321	01	3	12	7.000	1.031	06	3	13	0.160	1.098	07
3	12	0.005	5.419	04	3	12	8.000	6.964	05	3	13	0.170	1.101	07
3	12	0.010	2.140	05	3	12	9.000	4.940	05	3	13	0.180	1.113	07
3	12	0.015	4.712	05	3	12	10.000	3.636	05	3	13	0.190	1.132	07
3	12	0.020	8.132	05	3	12	12.000	2.162	05	3	13	0.200	1.157	07
3	12	0.025	1.224	06	3	12	14.000	1.408	05	3	13	0.220	1.206	07
3	12	0.030	1.685	06	3	12	16.000	9.774	04	3	13	0.240	1.256	07
3	12	0.035	2.178	06	3	12	18.000	7.118	04	3	13	0.260	1.302	07
3	12	0.040	2.686	06	3	12	20.000	5.377	04	3	13	0.280	1.340	07
3	12	0.050	3.684	06	3	12	25.000	2.991	04	3	13	0.300	1.369	07
3	12	0.060	4.594	06	3	12	30.000	1.864	04	3	13	0.350	1.406	07
3	12	0.070	5.377	06	3	12	35.000	1.254	04	3	13	0.400	1.401	07
3	12	0.080	6.042	06	3	12	40.000	8.910	03	3	13	0.450	1.371	07
3	12	0.090	6.616	06	3	12	45.000	6.600	03	3	13	0.500	1.333	07
3	12	0.100	7.136	06	3	12	50.000	5.050	03	3	13	0.600	1.264	07
3	12	0.110	7.628	06	3	12	60.000	3.182	03	3	13	0.700	1.215	07
3	12	0.120	8.110	06	3	12	70.000	2.156	03	3	13	0.800	1.186	07
3	12	0.130	8.588	06	3	12	80.000	1.540	03	3	13	0.900	1.169	07
3	12	0.140	9.064	06	3	12	90.000	1.145	03	3	13	1.000	1.154	07
3	12	0.150	9.524	06	3	12	100.000	8.784	02	3	13	1.200	1.125	07
3	12	0.160	9.964	06	3	12	110.000	6.913	02	3	13	1.400	1.090	07
3	12	0.170	1.038	07	3	12	120.000	5.557	02	3	13	1.600	1.049	07
3	12	0.180	1.076	07	3	12	130.000	4.545	02	3	13	1.800	1.004	07
3	12	0.190	1.112	07	3	12	140.000	3.774	02	3	13	2.000	9.552	06
3	12	0.200	1.144	07	3	12	150.000	3.175	02	3	13	2.500	8.279	06
3	12	0.220	1.196	07	3	12	160.000	2.700	02	3	13	3.000	7.009	06
3	12	0.240	1.236	07	3	12	170.000	2.320	02	3	13	3.500	5.821	06
3	12	0.260	1.264	07	3	12	180.000	2.010	02	3	13	4.000	4.756	06
3	12	0.280	1.283	07	3	12	190.000	1.756	02	3	13	4.500	3.846	06
3	12	0.300	1.297	07	3	12	200.000	1.544	02	3	13	5.000	3.093	06
3	12	0.350	1.319	07	3	12	210.000	1.366	02	3	13	5.500	2.482	06
3	12	0.400	1.339	07	3	12	220.000	1.216	02	3	13	6.000	1.995	06
3	12	0.450	1.361	07	3	12	230.000	1.088	02	3	13	6.500	1.612	06
3	12	0.500	1.383	07	3	12	240.000	9.780	01	3	13	7.000	1.313	06
3	12	0.600	1.422	07	3	13	0.005	1.989	05	3	13	8.000	8.913	05
3	12	0.700	1.441	07	3	13	0.010	7.819	05	3	13	9.000	6.298	05
3	12	0.800	1.438	07	3	13	0.015	1.709	06	3	13	10.000	4.636	05
3	12	0.900	1.420	07	3	13	0.020	2.918	06	3	13	12.000	2.727	05
3	12	1.000	1.395	07	3	13	0.025	4.330	06	3	13	14.000	1.759	05
3	12	1.200	1.334	07	3	13	0.030	5.859	06	3	13	16.000	1.213	05
3	12	1.400	1.268	07	3	13	0.035	7.419	06	3	13	18.000	8.782	04
3	12	1.600	1.203	07	3	13	0.040	8.927	06	3	13	20.000	6.605	04
3	12	1.800	1.134	07	3	13	0.050	1.153	07	3	13	25.000	3.648	04
3	12	2.000	1.062	07	3	13	0.060	1.332	07	3	13	30.000	2.263	04
3	12	2.500	8.826	06	3	13	0.070	1.423	07	3	13	35.000	1.518	04
3	12	3.000	7.123	06	3	13	0.080	1.438	07	3	13	40.000	1.077	04
3	12	3.500	5.628	06	3	13	0.090	1.402	07	3	13	45.000	7.963	03
3	12	4.000	4.391	06	3	13	0.100	1.339	07	3	13	50.000	6.086	03
3	12	4.500	3.402	06	3	13	0.110	1.270	07	3	13	60.000	3.829	03
3	12	5.000	2.634	06	3	13	0.120	1.207	07	3	13	70.000	2.592	03
3	12	5.500	2.053	06	3	13	0.130	1.159	07	3	13	80.000	1.850	03
3	12	6.000	1.614	06	3	13	0.140	1.125	07	3	13	90.000	1.374	03
3	12	6.500	1.282	06	3	13	0.150	1.106	07	3	13	100.000	1.054	03
					3	13				3	13	110.000	8.295	02

Table IV. THE STARK BROADENING FUNCTIONS, $S(a)$

n'	n	a	$S(a)$	n'	n	a	$S(a)$	n'	n	a	$S(a)$
3	13	120.000	6.665 02	3	14	1.600	9.863 06	3	15	0.040	8.037 06
3	13	130.000	5.451 02	3	14	1.800	9.535 06	3	15	0.050	1.023 07
3	13	140.000	4.526 02	3	14	2.000	9.184 06	3	15	0.060	1.161 07
3	13	150.000	3.806 02	3	14	2.500	8.233 06	3	15	0.070	1.215 07
3	13	160.000	3.237 02	3	14	3.000	7.232 06	3	15	0.080	1.200 07
3	13	170.000	2.781 02	3	14	3.500	6.238 06	3	15	0.090	1.142 07
3	13	180.000	2.409 02	3	14	4.000	5.304 06	3	15	0.100	1.064 07
3	13	190.000	2.104 02	3	14	4.500	4.460 06	3	15	0.110	9.840 06
3	13	200.000	1.850 02	3	14	5.000	3.715 06	3	15	0.120	9.128 06
3	13	210.000	1.637 02	3	14	5.500	3.078 06	3	15	0.130	8.574 06
3	13	220.000	1.457 02	3	14	6.000	2.543 06	3	15	0.140	8.163 06
3	13	230.000	1.304 02	3	14	6.500	2.102 06	3	15	0.150	7.888 06
3	13	240.000	1.172 02	3	14	7.000	1.741 06	3	15	0.160	7.734 06
3	14	0.005	4.348 04	3	14	8.000	1.210 06	3	15	0.170	7.685 06
3	14	0.010	1.713 05	3	14	9.000	8.622 05	3	15	0.180	7.727 06
3	14	0.015	3.755 05	3	14	10.000	6.315 05	3	15	0.190	7.845 06
3	14	0.020	6.443 05	3	14	12.000	3.710 05	3	15	0.200	7.998 06
3	14	0.025	9.624 05	3	14	14.000	2.372 05	3	15	0.220	8.364 06
3	14	0.030	1.313 06	3	14	16.000	1.622 05	3	15	0.240	8.774 06
3	14	0.035	1.680 06	3	14	18.000	1.168 05	3	15	0.260	9.182 06
3	14	0.040	2.047 06	3	14	20.000	8.739 04	3	15	0.280	9.558 06
3	14	0.050	2.732 06	3	14	25.000	4.786 04	3	15	0.300	9.885 06
3	14	0.060	3.301 06	3	14	30.000	2.955 04	3	15	0.350	1.045 07
3	14	0.070	3.740 06	3	14	35.000	1.975 04	3	15	0.400	1.066 07
3	14	0.080	4.070 06	3	14	40.000	1.397 04	3	15	0.450	1.062 07
3	14	0.090	4.331 06	3	14	45.000	1.032 04	3	15	0.500	1.043 07
3	14	0.100	4.562 06	3	14	50.000	7.875 03	3	15	0.600	9.930 06
3	14	0.110	4.793 06	3	14	60.000	4.946 03	3	15	0.700	9.538 06
3	14	0.120	5.043 06	3	14	70.000	3.344 03	3	15	0.800	9.276 06
3	14	0.130	5.318 06	3	14	80.000	2.385 03	3	15	0.900	9.123 06
3	14	0.140	5.615 06	3	14	90.000	1.771 03	3	15	1.000	9.045 06
3	14	0.150	5.926 06	3	14	100.000	1.358 03	3	15	1.200	8.912 06
3	14	0.160	6.245 06	3	14	110.000	1.068 03	3	15	1.400	8.762 06
3	14	0.170	6.567 06	3	14	120.000	8.578 02	3	15	1.600	8.574 06
3	14	0.180	6.887 06	3	14	130.000	7.014 02	3	15	1.800	8.360 06
3	14	0.190	7.200 06	3	14	140.000	5.822 02	3	15	2.000	8.120 06
3	14	0.200	7.500 06	3	14	150.000	4.896 02	3	15	2.500	7.445 06
3	14	0.220	8.040 06	3	14	160.000	4.163 02	3	15	3.000	6.722 06
3	14	0.240	8.501 06	3	14	170.000	3.576 02	3	15	3.500	5.978 06
3	14	0.260	8.881 06	3	14	180.000	3.098 02	3	15	4.000	5.249 06
3	14	0.280	9.186 06	3	14	190.000	2.705 02	3	15	4.500	4.555 06
3	14	0.300	9.424 06	3	14	200.000	2.379 02	3	15	5.000	3.917 06
3	14	0.350	9.810 06	3	14	210.000	2.105 02	3	15	5.500	3.345 06
3	14	0.400	1.002 07	3	14	220.000	1.873 02	3	15	6.000	2.842 06
3	14	0.450	1.017 07	3	14	230.000	1.676 02	3	15	6.500	2.407 06
3	14	0.500	1.032 07	3	14	240.000	1.506 02	3	15	7.000	2.036 06
3	14	0.600	1.057 07	3	15	0.005	1.841 05	3	15	8.000	1.461 06
3	14	0.700	1.077 07	3	15	0.010	7.225 05	3	15	9.000	1.062 06
3	14	0.800	1.087 07	3	15	0.015	1.576 06	3	15	10.000	7.854 05
3	14	0.900	1.086 07	3	15	0.020	2.682 06	3	15	12.000	4.593 05
3	14	1.000	1.077 07	3	15	0.025	3.964 06	3	15	14.000	2.932 05
3	14	1.200	1.051 07	3	15	0.030	5.339 06	3	15	16.000	1.991 05
3	14	1.400	1.020 07	3	15	0.035	6.722 06	3	15	18.000	1.424 05
								3	15	20.000	1.060 05

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
3	15	25.000	5.751	04	3	16	0.300	6.861	06	3	16	210.000	3.083	02
3	15	30.000	3.530	04	3	16	0.350	7.364	06	3	16	220.000	2.743	02
3	15	35.000	2.350	04	3	16	0.400	7.662	06	3	16	230.000	2.454	02
3	15	40.000	1.658	04	3	16	0.450	7.839	06	3	16	240.000	2.205	02
3	15	45.000	1.222	04	3	16	0.500	7.957	06	3	17	0.005	1.699	05
3	15	50.000	9.315	03	3	16	0.600	8.139	06	3	17	0.010	6.664	05
3	15	60.000	5.838	03	3	16	0.700	8.283	06	3	17	0.015	1.451	06
3	15	70.000	3.941	03	3	16	0.800	8.394	06	3	17	0.020	2.465	06
3	15	80.000	2.808	03	3	16	0.900	8.451	06	3	17	0.025	3.634	06
3	15	90.000	2.084	03	3	16	1.000	8.449	06	3	17	0.030	4.878	06
3	15	100.000	1.597	03	3	16	1.200	8.346	06	3	17	0.035	6.118	06
3	15	110.000	1.255	03	3	16	1.400	8.189	06	3	17	0.040	7.283	06
3	15	120.000	1.008	03	3	16	1.600	8.015	06	3	17	0.050	9.173	06
3	15	130.000	8.242	02	3	16	1.800	7.835	06	3	17	0.060	1.029	07
3	15	140.000	6.840	02	3	16	2.000	7.660	06	3	17	0.070	1.061	07
3	15	150.000	5.750	02	3	16	2.500	7.161	06	3	17	0.080	1.032	07
3	15	160.000	4.889	02	3	16	3.000	6.608	06	3	17	0.090	9.653	06
3	15	170.000	4.199	02	3	16	3.500	6.016	06	3	17	0.100	8.823	06
3	15	180.000	3.637	02	3	16	4.000	5.416	06	3	17	0.110	7.995	06
3	15	190.000	3.176	02	3	16	4.500	4.826	06	3	17	0.120	7.264	06
3	15	200.000	2.792	02	3	16	5.000	4.265	06	3	17	0.130	6.686	06
3	15	210.000	2.471	02	3	16	5.500	3.738	06	3	17	0.140	6.240	06
3	15	220.000	2.199	02	3	16	6.000	3.258	06	3	17	0.150	5.921	06
3	15	230.000	1.967	02	3	16	6.500	2.826	06	3	17	0.160	5.716	06
3	15	240.000	1.768	02	3	16	7.000	2.444	06	3	17	0.170	5.610	06
3	16	0.005	3.707	04	3	16	8.000	1.820	06	3	17	0.180	5.592	06
3	16	0.010	1.457	05	3	16	9.000	1.358	06	3	17	0.190	5.646	06
3	16	0.015	3.186	05	3	16	10.000	1.023	06	3	17	0.200	5.723	06
3	16	0.020	5.444	05	3	16	12.000	6.056	05	3	17	0.220	5.965	06
3	16	0.025	8.088	05	3	16	14.000	3.847	05	3	17	0.240	6.272	06
3	16	0.030	1.096	06	3	16	16.000	2.607	05	3	17	0.260	6.604	06
3	16	0.035	1.392	06	3	16	18.000	1.853	05	3	17	0.280	6.933	06
3	16	0.040	1.681	06	3	16	20.000	1.372	05	3	17	0.300	7.239	06
3	16	0.050	2.197	06	3	16	25.000	7.370	04	3	17	0.350	7.853	06
3	16	0.060	2.590	06	3	16	30.000	4.494	04	3	17	0.400	8.214	06
3	16	0.070	2.853	06	3	16	35.000	2.979	04	3	17	0.450	8.347	06
3	16	0.080	3.013	06	3	16	40.000	2.096	04	3	17	0.500	8.317	06
3	16	0.090	3.113	06	3	16	45.000	1.541	04	3	17	0.600	8.022	06
3	16	0.100	3.191	06	3	16	50.000	1.172	04	3	17	0.700	7.692	06
3	16	0.110	3.276	06	3	16	60.000	7.331	03	3	17	0.800	7.458	06
3	16	0.120	3.385	06	3	16	70.000	4.942	03	3	17	0.900	7.304	06
3	16	0.130	3.525	06	3	16	80.000	3.517	03	3	17	1.000	7.218	06
3	16	0.140	3.692	06	3	16	90.000	2.608	03	3	17	1.200	7.143	06
3	16	0.150	3.882	06	3	16	100.000	1.997	03	3	17	1.400	7.079	06
3	16	0.160	4.090	06	3	16	110.000	1.569	03	3	17	1.600	6.994	06
3	16	0.170	4.312	06	3	16	120.000	1.260	03	3	17	1.800	6.888	06
3	16	0.180	4.544	06	3	16	130.000	1.030	03	3	17	2.000	6.768	06
3	16	0.190	4.782	06	3	16	140.000	8.542	02	3	17	2.500	6.410	06
3	16	0.200	5.016	06	3	16	150.000	7.180	02	3	17	3.000	6.002	06
3	16	0.220	5.467	06	3	16	160.000	6.104	02	3	17	3.500	5.567	06
3	16	0.240	5.884	06	3	16	170.000	5.241	02	3	17	4.000	5.113	06
3	16	0.260	6.258	06	3	16	180.000	4.540	02	3	17	4.500	4.655	06
3	16	0.280	6.584	06	3	16	190.000	3.963	02	3	17	5.000	4.202	06
					3	16	200.000	3.484	02					

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
3	18	0.130	2.486	06	3	17	5.500	3.768	06	3	18	90.000	3.694	03
3	18	0.140	2.570	06	3	17	6.000	3.357	06	3	18	100.000	2.825	03
3	18	0.150	2.678	06	3	17	6.500	2.977	06	3	18	110.000	2.218	03
3	18	0.160	2.806	06	3	17	7.000	2.627	06	3	18	120.000	1.779	03
3	18	0.170	2.951	06	3	17	8.000	2.031	06	3	18	130.000	1.453	03
3	18	0.180	3.110	06	3	17	9.000	1.562	06	3	18	140.000	1.204	03
3	18	0.190	3.279	06	3	17	10.000	1.203	06	3	18	150.000	1.012	03
3	18	0.200	3.450	06	3	17	12.000	7.319	05	3	18	160.000	8.599	02
3	18	0.220	3.795	06	3	17	14.000	4.670	05	3	18	170.000	7.381	02
3	18	0.240	4.134	06	3	17	16.000	3.155	05	3	18	180.000	6.391	02
3	18	0.260	4.455	06	3	17	18.000	2.239	05	3	18	190.000	5.578	02
3	18	0.280	4.751	06	3	17	20.000	1.649	05	3	18	200.000	4.903	02
3	18	0.300	5.019	06	3	17	25.000	8.765	04	3	18	210.000	4.337	02
3	18	0.350	5.553	06	3	17	30.000	5.306	04	3	18	220.000	3.858	02
3	18	0.400	5.912	06	3	17	35.000	3.500	04	3	18	230.000	3.450	02
3	18	0.450	6.139	06	3	17	40.000	2.454	04	3	18	240.000	3.101	02
3	18	0.500	6.280	06	3	17	45.000	1.800	04					
3	18	0.600	6.442	06	3	17	50.000	1.367	04	4	5	0.005	6.726	02
3	18	0.700	6.554	06	3	17	60.000	8.522	03	4	5	0.010	2.690	03
3	18	0.800	6.640	06	3	17	70.000	5.735	03	4	5	0.015	6.049	03
3	18	0.900	6.707	06	3	17	80.000	4.076	03	4	5	0.020	1.075	04
3	18	1.000	6.744	06	3	17	90.000	3.020	03	4	5	0.025	1.678	04
3	18	1.200	6.725	06	3	17	100.000	2.311	03	4	5	0.030	2.413	04
3	18	1.400	6.648	06	3	17	110.000	1.815	03	4	5	0.035	3.281	04
3	18	1.600	6.554	06	3	17	120.000	1.457	03	4	5	0.040	4.279	04
3	18	1.800	6.451	06	3	17	130.000	1.190	03	4	5	0.050	6.664	04
3	18	2.000	6.348	06	3	17	140.000	9.871	02	4	5	0.060	9.556	04
3	18	2.500	6.084	06	3	17	150.000	8.295	02	4	5	0.070	1.294	05
3	18	3.000	5.773	06	3	17	160.000	7.051	02	4	5	0.080	1.681	05
3	18	3.500	5.432	06	3	17	170.000	6.053	02	4	5	0.090	2.114	05
3	18	4.000	5.066	06	3	17	180.000	5.242	02	4	5	0.100	2.592	05
3	18	4.500	4.691	06	3	17	190.000	4.576	02	4	5	0.110	3.112	05
3	18	5.000	4.311	06	3	17	200.000	4.022	02	4	5	0.120	3.672	05
3	18	5.500	3.939	06	3	17	210.000	3.558	02	4	5	0.130	4.270	05
3	18	6.000	3.576	06	3	17	220.000	3.166	02	4	5	0.140	4.903	05
3	18	6.500	3.230	06	3	17	230.000	2.832	02	4	5	0.150	5.569	05
3	18	7.000	2.905	06	3	17	240.000	2.545	02	4	5	0.160	6.265	05
3	18	8.000	2.327	06						4	5	0.170	6.989	05
3	18	9.000	1.846	06	3	18	0.005	3.261	04	4	5	0.180	7.737	05
3	18	10.000	1.460	06	3	18	0.010	1.281	05	4	5	0.190	8.506	05
3	18	12.000	9.190	05	3	18	0.015	2.794	05	4	5	0.200	9.295	05
3	18	14.000	5.961	05	3	18	0.020	4.760	05	4	5	0.220	1.092	06
3	18	16.000	4.029	05	3	18	0.025	7.046	05	4	5	0.240	1.258	06
3	18	18.000	2.853	05	3	18	0.030	9.507	05	4	5	0.260	1.427	06
3	18	20.000	2.099	05	3	18	0.035	1.200	06	4	5	0.280	1.595	06
3	18	25.000	1.104	05	3	18	0.040	1.441	06	4	5	0.300	1.762	06
3	18	30.000	6.632	04	3	18	0.050	1.854	06	4	5	0.350	2.160	06
3	18	35.000	4.352	04	3	18	0.060	2.145	06	4	5	0.400	2.517	06
3	18	40.000	3.039	04	3	18	0.070	2.312	06	4	5	0.450	2.822	06
3	18	45.000	2.222	04	3	18	0.080	2.382	06	4	5	0.500	3.073	06
3	18	50.000	1.684	04	3	18	0.090	2.398	06	4	5	0.600	3.436	06
3	18	60.000	1.047	04	3	18	0.100	2.395	06	4	5	0.700	3.672	06
3	18	70.000	7.032	03	3	18	0.110	2.400	06	4	5	0.800	3.852	06
3	18	80.000	4.991	03	3	18	0.120	2.427	06	4	5	0.900	4.021	06

Table IV. THE STARK BROADENING FUNCTIONS, $S(a)$

n'	n	a	$S(a)$		n'	n	a	$S(a)$		n'	n	a	$S(a)$	
4	5	1.000	4.195	06	4	6	0.025	2.903	04	4	6	16.000	1.404	05
4	5	1.200	4.536	06	4	6	0.030	4.176	04	4	6	18.000	1.016	05
4	5	1.400	4.831	06	4	6	0.035	5.677	04	4	6	20.000	7.639	04
4	5	1.600	5.041	06	4	6	0.040	7.404	04	4	6	25.000	4.217	04
4	5	1.800	5.155	06	4	6	0.050	1.153	05	4	6	30.000	2.615	04
4	5	2.000	5.185	06	4	6	0.060	1.654	05	4	6	35.000	1.754	04
4	5	2.500	4.981	06	4	6	0.070	2.240	05	4	6	40.000	1.243	04
4	5	3.000	4.548	06	4	6	0.080	2.910	05	4	6	45.000	9.196	03
4	5	3.500	4.004	06	4	6	0.090	3.660	05	4	6	50.000	7.028	03
4	5	4.000	3.438	06	4	6	0.100	4.488	05	4	6	60.000	4.421	03
4	5	4.500	2.903	06	4	6	0.110	5.390	05	4	6	70.000	2.992	03
4	5	5.000	2.419	06	4	6	0.120	6.362	05	4	6	80.000	2.136	03
4	5	5.500	2.000	06	4	6	0.130	7.401	05	4	6	90.000	1.587	03
4	5	6.000	1.650	06	4	6	0.140	8.502	05	4	6	100.000	1.217	03
4	5	6.500	1.360	06	4	6	0.150	9.662	05	4	6	110.000	9.575	02
4	5	7.000	1.125	06	4	6	0.160	1.088	06	4	6	120.000	7.694	02
4	5	8.000	7.815	05	4	6	0.170	1.214	06	4	6	130.000	6.293	02
4	5	9.000	5.581	05	4	6	0.180	1.345	06	4	6	140.000	5.224	02
4	5	10.000	4.103	05	4	6	0.190	1.480	06	4	6	150.000	4.394	02
4	5	12.000	2.410	05	4	6	0.200	1.619	06	4	6	160.000	3.737	02
4	5	14.000	1.541	05	4	6	0.220	1.906	06	4	6	170.000	3.210	02
4	5	16.000	1.054	05	4	6	0.240	2.204	06	4	6	180.000	2.781	02
4	5	18.000	7.577	04	4	6	0.260	2.508	06	4	6	190.000	2.429	02
4	5	20.000	5.666	04	4	6	0.280	2.817	06	4	6	200.000	2.136	02
4	5	25.000	3.099	04	4	6	0.300	3.128	06	4	6	210.000	1.890	02
4	5	30.000	1.911	04	4	6	0.350	3.900	06	4	6	220.000	1.682	02
4	5	35.000	1.276	04	4	6	0.400	4.651	06	4	6	230.000	1.505	02
4	5	40.000	9.026	03	4	6	0.450	5.370	06	4	6	240.000	1.353	02
4	5	45.000	6.662	03	4	6	0.500	6.052	06	4	7	0.005	1.043	04
4	5	50.000	5.084	03	4	6	0.600	7.320	06	4	7	0.010	4.161	04
4	5	60.000	3.192	03	4	6	0.700	8.472	06	4	7	0.015	9.320	04
4	5	70.000	2.157	03	4	6	0.800	9.509	06	4	7	0.020	1.646	05
4	5	80.000	1.538	03	4	6	0.900	1.041	07	4	7	0.025	2.551	05
4	5	90.000	1.142	03	4	6	1.000	1.116	07	4	7	0.030	3.636	05
4	5	100.000	8.755	02	4	6	1.200	1.221	07	4	7	0.035	4.891	05
4	5	110.000	6.886	02	4	6	1.400	1.270	07	4	7	0.040	6.302	05
4	5	120.000	5.531	02	4	6	1.600	1.274	07	4	7	0.050	9.536	05
4	5	130.000	4.522	02	4	6	1.800	1.245	07	4	7	0.060	1.322	06
4	5	140.000	3.754	02	4	6	2.000	1.195	07	4	7	0.070	1.722	06
4	5	150.000	3.156	02	4	6	2.500	1.025	07	4	7	0.080	2.142	06
4	5	160.000	2.684	02	4	6	3.000	8.426	06	4	7	0.090	2.571	06
4	5	170.000	2.305	02	4	6	3.500	6.808	06	4	7	0.100	2.999	06
4	5	180.000	1.997	02	4	6	4.000	5.455	06	4	7	0.110	3.420	06
4	5	190.000	1.744	02	4	6	4.500	4.353	06	4	7	0.120	3.828	06
4	5	200.000	1.533	02	4	6	5.000	3.484	06	4	7	0.130	4.221	06
4	5	210.000	1.357	02	4	6	5.500	2.790	06	4	7	0.140	4.597	06
4	5	220.000	1.208	02	4	6	6.000	2.251	06	4	7	0.150	4.957	06
4	5	230.000	1.080	02	4	6	6.500	1.825	06	4	7	0.160	5.301	06
4	5	240.000	9.709	01	4	6	7.000	1.492	06	4	7	0.170	5.632	06
4	6	0.005	1.164	03	4	6	8.000	1.023	06	4	7	0.180	5.951	06
4	6	0.010	4.654	03	4	6	9.000	7.261	05	4	7	0.190	6.262	06
4	6	0.015	1.047	04	4	6	10.000	5.345	05	4	7	0.200	6.565	06
4	6	0.020	1.859	04	4	6	12.000	3.157	05	4	7	0.220	7.155	06
					4	6	14.000	2.037	05					

Table IV. THE STARK BROADENING FUNCTIONS, $S(a)$

n'	n	a	$S(a)$		n'	n	a	$S(a)$		n'	n	a	$S(a)$	
4	7	0.240	7.729	06	4	7	180.000	3.705	02	4	8	4.000	5.265	06
4	7	0.260	8.285	06	4	7	190.000	3.235	02	4	8	4.500	4.736	06
4	7	0.280	8.820	06	4	7	200.000	2.844	02	4	8	5.000	4.219	06
4	7	0.300	9.322	06	4	7	210.000	2.517	02	4	8	5.500	3.725	06
4	7	0.350	1.038	07	4	7	220.000	2.240	02	4	8	6.000	3.257	06
4	7	0.400	1.111	07	4	7	230.000	2.004	02	4	8	6.500	2.829	06
4	7	0.450	1.148	07	4	7	240.000	1.801	02	4	8	7.000	2.445	06
4	7	0.500	1.152	07						4	8	8.000	1.814	06
4	7	0.600	1.097	07	4	8	0.005	1.764	03	4	8	9.000	1.345	06
4	7	0.700	1.004	07	4	8	0.010	7.055	03	4	8	10.000	1.008	06
4	7	0.800	9.159	06	4	8	0.015	1.587	04	4	8	12.000	5.949	05
4	7	0.900	8.479	06	4	8	0.020	2.818	04	4	8	14.000	3.777	05
4	7	1.000	7.984	06	4	8	0.025	4.400	04	4	8	16.000	2.557	05
4	7	1.200	7.485	06	4	8	0.030	6.328	04	4	8	18.000	1.819	05
4	7	1.400	7.366	06	4	8	0.035	8.602	04	4	8	20.000	1.347	05
4	7	1.600	7.409	06	4	8	0.040	1.122	05	4	8	25.000	7.245	04
4	7	1.800	7.522	06	4	8	0.050	1.746	05	4	8	30.000	4.420	04
4	7	2.000	7.633	06	4	8	0.060	2.503	05	4	8	35.000	2.932	04
4	7	2.500	7.717	06	4	8	0.070	3.388	05	4	8	40.000	2.063	04
4	7	3.000	7.404	06	4	8	0.080	4.398	05	4	8	45.000	1.517	04
4	7	3.500	6.777	06	4	8	0.090	5.528	05	4	8	50.000	1.155	04
4	7	4.000	5.988	06	4	8	0.100	6.771	05	4	8	60.000	7.222	03
4	7	4.500	5.160	06	4	8	0.110	8.122	05	4	8	70.000	4.869	03
4	7	5.000	4.372	06	4	8	0.120	9.576	05	4	8	80.000	3.466	03
4	7	5.500	3.667	06	4	8	0.130	1.112	06	4	8	90.000	2.570	03
4	7	6.000	3.058	06	4	8	0.140	1.276	06	4	8	100.000	1.968	03
4	7	6.500	2.544	06	4	8	0.150	1.448	06	4	8	110.000	1.547	03
4	7	7.000	2.120	06	4	8	0.160	1.627	06	4	8	120.000	1.242	03
4	7	8.000	1.484	06	4	8	0.170	1.813	06	4	8	130.000	1.015	03
4	7	9.000	1.063	06	4	8	0.180	2.004	06	4	8	140.000	8.421	02
4	7	10.000	7.814	05	4	8	0.190	2.201	06	4	8	150.000	7.078	02
4	7	12.000	4.564	05	4	8	0.200	2.402	06	4	8	160.000	6.018	02
4	7	14.000	2.912	05	4	8	0.220	2.813	06	4	8	170.000	5.167	02
4	7	16.000	1.984	05	4	8	0.240	3.232	06	4	8	180.000	4.476	02
4	7	18.000	1.423	05	4	8	0.260	3.654	06	4	8	190.000	3.907	02
4	7	20.000	1.062	05	4	8	0.280	4.073	06	4	8	200.000	3.435	02
4	7	25.000	5.792	04	4	8	0.300	4.485	06	4	8	210.000	3.039	02
4	7	30.000	3.565	04	4	8	0.350	5.456	06	4	8	220.000	2.704	02
4	7	35.000	2.378	04	4	8	0.400	6.313	06	4	8	230.000	2.419	02
4	7	40.000	1.680	04	4	8	0.450	7.035	06	4	8	240.000	2.174	02
4	7	45.000	1.239	04	4	8	0.500	7.623	06					
4	7	50.000	9.454	03	4	8	0.600	8.456	06	4	9	0.005	1.415	04
4	7	60.000	5.931	03	4	8	0.700	8.972	06	4	9	0.010	5.616	04
4	7	70.000	4.007	03	4	8	0.800	9.303	06	4	9	0.015	1.248	05
4	7	80.000	2.856	03	4	8	0.900	9.521	06	4	9	0.020	2.180	05
4	7	90.000	2.120	03	4	8	1.000	9.641	06	4	9	0.025	3.331	05
4	7	100.000	1.625	03	4	8	1.200	9.628	06	4	9	0.030	4.667	05
4	7	110.000	1.278	03	4	8	1.400	9.380	06	4	9	0.035	6.154	05
4	7	120.000	1.026	03	4	8	1.600	8.982	06	4	9	0.040	7.751	05
4	7	130.000	8.392	02	4	8	1.800	8.540	06	4	9	0.050	1.112	06
4	7	140.000	6.965	02	4	8	2.000	8.097	06	4	9	0.060	1.447	06
4	7	150.000	5.856	02	4	8	2.500	7.134	06	4	9	0.070	1.757	06
4	7	160.000	4.980	02	4	8	3.000	6.412	06	4	9	0.080	2.024	06
4	7	170.000	4.277	02	4	8	3.500	5.804	06	4	9	0.090	2.240	06

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
4	9	0.100	2.406	06	4	9	60.000	9.909	03	4	10	0.700	6.296	06
4	9	0.110	2.527	06	4	9	70.000	6.662	03	4	10	0.800	6.406	06
4	9	0.120	2.614	06	4	9	80.000	4.732	03	4	10	0.900	6.514	06
4	9	0.130	2.677	06	4	9	90.000	3.505	03	4	10	1.000	6.598	06
4	9	0.140	2.727	06	4	9	100.000	2.681	03	4	10	1.200	6.631	06
4	9	0.150	2.773	06	4	9	110.000	2.105	03	4	10	1.400	6.493	06
4	9	0.160	2.824	06	4	9	120.000	1.689	03	4	10	1.600	6.278	06
4	9	0.170	2.884	06	4	9	130.000	1.380	03	4	10	1.800	6.052	06
4	9	0.180	2.957	06	4	9	140.000	1.144	03	4	10	2.000	5.838	06
4	9	0.190	3.044	06	4	9	150.000	9.614	02	4	10	2.500	5.411	06
4	9	0.200	3.146	06	4	9	160.000	8.171	02	4	10	3.000	5.120	06
4	9	0.220	3.385	06	4	9	170.000	7.014	02	4	10	3.500	4.867	06
4	9	0.240	3.662	06	4	9	180.000	6.074	02	4	10	4.000	4.623	06
4	9	0.260	3.968	06	4	9	190.000	5.302	02	4	10	4.500	4.368	06
4	9	0.280	4.291	06	4	9	200.000	4.660	02	4	10	5.000	4.093	06
4	9	0.300	4.618	06	4	9	210.000	4.122	02	4	10	5.500	3.810	06
4	9	0.350	5.385	06	4	9	220.000	3.668	02	4	10	6.000	3.525	06
4	9	0.400	6.024	06	4	9	230.000	3.280	02	4	10	6.500	3.243	06
4	9	0.450	6.497	06	4	9	240.000	2.948	02	4	10	7.000	2.969	06
4	9	0.500	6.800	06	4	10	0.005	5.548	03	4	10	8.000	2.461	06
4	9	0.600	6.982	06	4	10	0.010	2.215	04	4	10	9.000	2.016	06
4	9	0.700	6.812	06	4	10	0.015	4.970	04	4	10	10.000	1.641	06
4	9	0.800	6.522	06	4	10	0.025	8.799	04	4	10	12.000	1.079	06
4	9	0.900	6.254	06	4	10	0.030	1.368	05	4	10	14.000	7.170	05
4	9	1.000	6.073	06	4	10	0.035	1.957	05	4	10	16.000	4.886	05
4	9	1.200	5.939	06	4	10	0.040	2.643	05	4	10	18.000	3.457	05
4	9	1.400	6.011	06	4	10	0.050	3.422	05	4	10	20.000	2.539	05
4	9	1.600	6.159	06	4	10	0.060	5.237	05	4	10	25.000	1.326	05
4	9	1.800	6.294	06	4	10	0.070	7.354	05	4	10	30.000	7.902	04
4	9	2.000	6.392	06	4	10	0.080	9.721	05	4	10	35.000	5.154	04
4	9	2.500	6.421	06	4	10	0.090	1.228	06	4	10	40.000	3.583	04
4	9	3.000	6.196	06	4	10	0.100	1.498	06	4	10	45.000	2.612	04
4	9	3.500	5.821	06	4	10	0.110	1.777	06	4	10	50.000	1.974	04
4	9	4.000	5.383	06	4	10	0.120	2.058	06	4	10	60.000	1.223	04
4	9	4.500	4.930	06	4	10	0.130	2.339	06	4	10	70.000	8.196	03
4	9	5.000	4.487	06	4	10	0.140	2.615	06	4	10	80.000	5.809	03
4	9	5.500	4.063	06	4	10	0.150	2.882	06	4	10	90.000	4.294	03
4	9	6.000	3.658	06	4	10	0.160	3.138	06	4	10	100.000	3.281	03
4	9	6.500	3.280	06	4	10	0.170	3.381	06	4	10	110.000	2.574	03
4	9	7.000	2.928	06	4	10	0.180	3.611	06	4	10	120.000	2.063	03
4	9	8.000	2.309	06	4	10	0.190	3.826	06	4	10	130.000	1.684	03
4	9	9.000	1.804	06	4	10	0.200	4.026	06	4	10	140.000	1.396	03
4	9	10.000	1.406	06	4	10	0.220	4.212	06	4	10	150.000	1.172	03
4	9	12.000	8.648	05	4	10	0.240	4.542	06	4	10	160.000	9.961	02
4	9	14.000	5.535	05	4	10	0.260	4.823	06	4	10	170.000	8.548	02
4	9	16.000	3.740	05	4	10	0.280	5.063	06	4	10	180.000	7.400	02
4	9	18.000	2.649	05	4	10	0.300	5.266	06	4	10	190.000	6.458	02
4	9	20.000	1.948	05	4	10	0.350	5.440	06	4	10	200.000	5.675	02
4	9	25.000	1.030	05	4	10	0.400	5.772	06	4	10	210.000	5.019	02
4	9	30.000	6.215	04	4	10	0.450	5.982	06	4	10	220.000	4.465	02
4	9	35.000	4.091	04	4	10	0.500	6.099	06	4	10	230.000	3.993	02
4	9	40.000	2.863	04	4	10	0.600	6.161	06	4	10	240.000	3.588	02
4	9	45.000	2.097	04	4	10				4	11	0.005	1.818	03
4	9	50.000	1.591	04	4	10								

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
4	11	0.010	7.258	03	4	11	10.000	1.976	06	4	12	0.190	2.864	06
4	11	0.015	1.627	04	4	11	12.000	1.392	06	4	12	0.200	3.064	06
4	11	0.020	2.880	04	4	11	14.000	9.735	05	4	12	0.220	3.442	06
4	11	0.025	4.473	04	4	11	16.000	6.871	5	4	12	0.240	3.783	06
4	11	0.030	6.395	04	4	11	18.000	4.926	05	4	12	0.260	4.082	06
4	11	0.035	8.634	04	4	11	20.000	3.618	05	4	12	0.280	4.335	06
4	11	0.040	1.117	05	4	11	25.000	1.882	05	4	12	0.300	4.541	06
4	11	0.050	1.710	05	4	11	30.000	1.108	05	4	12	0.350	4.862	06
4	11	0.060	2.407	05	4	11	35.000	7.157	04	4	12	0.400	4.958	06
4	11	0.070	3.197	05	4	11	40.000	4.938	04	4	12	0.450	4.912	06
4	11	0.080	4.070	05	4	11	45.000	3.578	04	4	12	0.500	4.801	06
4	11	0.090	5.018	05	4	11	50.000	2.693	04	4	12	0.600	4.586	06
4	11	0.100	6.035	05	4	11	60.000	1.658	04	4	12	0.700	4.506	06
4	11	0.110	7.112	05	4	11	70.000	1.106	04	4	12	0.800	4.529	06
4	11	0.120	8.243	05	4	11	80.000	7.817	03	4	12	0.900	4.610	06
4	11	0.130	9.419	05	4	11	90.000	5.766	03	4	12	1.000	4.701	06
4	11	0.140	1.063	06	4	11	100.000	4.398	03	4	12	1.200	4.784	06
4	11	0.150	1.188	06	4	11	110.000	3.446	03	4	12	1.400	4.747	06
4	11	0.160	1.315	06	4	11	120.000	2.760	03	4	12	1.600	4.640	06
4	11	0.170	1.443	06	4	11	130.000	2.251	03	4	12	1.800	4.513	06
4	11	0.180	1.572	06	4	11	140.000	1.865	03	4	12	2.000	4.397	06
4	11	0.190	1.700	06	4	11	150.000	1.565	03	4	12	2.500	4.160	06
4	11	0.200	1.828	06	4	11	160.000	1.329	03	4	12	3.000	4.015	06
4	11	0.220	2.080	06	4	11	170.000	1.140	03	4	12	3.500	3.901	06
4	11	0.240	2.323	06	4	11	180.000	9.867	02	4	12	4.000	3.790	06
4	11	0.260	2.554	06	4	11	190.000	8.608	02	4	12	4.500	3.673	06
4	11	0.280	2.773	06	4	11	200.000	7.563	02	4	12	5.000	3.546	06
4	11	0.300	2.978	06	4	11	210.000	6.687	02	4	12	5.500	3.404	06
4	11	0.350	3.431	06	4	11	220.000	5.947	02	4	12	6.000	3.256	06
4	11	0.400	3.803	06	4	11	230.000	5.317	02	4	12	6.500	3.103	06
4	11	0.450	4.103	06	4	11	240.000	4.777	02	4	12	7.000	2.947	06
4	11	0.500	4.340	06						4	12	8.000	2.633	06
4	11	0.600	4.643	06	4	12	0.005	2.790	03	4	12	9.000	2.329	06
4	11	0.700	4.764	06	4	12	0.010	1.115	04	4	12	10.000	2.042	06
4	11	0.800	4.765	06	4	12	0.015	2.506	04	4	12	12.000	1.537	06
4	11	0.900	4.704	06	4	12	0.020	4.448	04	4	12	14.000	1.137	06
4	11	1.000	4.634	06	4	12	0.025	6.935	04	4	12	16.000	8.354	05
4	11	1.200	4.557	06	4	12	0.030	9.959	04	4	12	18.000	6.179	05
4	11	1.400	4.575	06	4	12	0.035	1.351	05	4	12	20.000	4.623	05
4	11	1.600	4.650	06	4	12	0.040	1.758	05	4	12	25.000	2.408	05
4	11	1.800	4.747	06	4	12	0.050	2.723	05	4	12	30.000	1.414	05
4	11	2.000	4.820	06	4	12	0.060	3.879	05	4	12	35.000	9.044	04
4	11	2.500	4.888	06	4	12	0.070	5.213	05	4	12	40.000	6.189	04
4	11	3.000	4.810	06	4	12	0.080	6.710	05	4	12	45.000	4.456	04
4	11	3.500	4.651	06	4	12	0.090	8.353	05	4	12	50.000	3.336	04
4	11	4.000	4.455	06	4	12	0.100	1.012	06	4	12	60.000	2.038	04
4	11	4.500	4.241	06	4	12	0.110	1.201	06	4	12	70.000	1.353	04
4	11	5.000	4.023	06	4	12	0.120	1.398	06	4	12	80.000	9.530	03
4	11	5.500	3.806	06	4	12	0.130	1.602	06	4	12	90.000	7.013	03
4	11	6.000	3.585	06	4	12	0.140	1.811	06	4	12	100.000	5.339	03
4	11	6.500	3.365	06	4	12	0.150	2.023	06	4	12	110.000	4.177	03
4	11	7.000	3.148	06	4	12	0.160	2.236	06	4	12	120.000	3.341	03
4	11	8.000	2.726	06	4	12	0.170	2.448	06	4	12	130.000	2.723	03
4	11	9.000	2.332	06	4	12	0.180	2.658	06	4	12	140.000	2.253	03

Table IV. THE STARK BROADENING FUNCTIONS, $S(a)$

n'	n	a	$S(a)$		n'	n	a	$S(a)$		n'	n	a	$S(a)$	
4	12	150.000	1.890	03	4	13	2.500	3.716	06	4	14	0.070	5.097	05
4	12	160.000	1.604	03	4	13	3.000	3.710	06	4	14	0.080	6.516	05
4	12	170.000	1.376	03	4	13	3.500	3.647	06	4	14	0.090	8.052	05
4	12	180.000	1.190	03	4	13	4.000	3.561	06	4	14	0.100	9.684	05
4	12	190.000	1.038	03	4	13	4.500	3.460	06	4	14	0.110	1.139	06
4	12	200.000	9.115	02	4	13	5.000	3.353	06	4	14	0.120	1.315	06
4	12	210.000	8.057	02	4	13	5.500	3.245	06	4	14	0.130	1.494	06
4	12	220.000	7.164	02	4	13	6.000	3.135	06	4	14	0.140	1.675	06
4	12	230.000	6.404	02	4	13	6.500	3.020	06	4	14	0.150	1.856	06
4	12	240.000	5.752	02	4	13	7.000	2.902	06	4	14	0.160	2.034	06
					4	13	8.000	2.663	06	4	14	0.170	2.209	06
4	13	0.005	1.059	03	4	13	9.000	2.420	06	4	14	0.180	2.378	06
4	13	0.010	4.223	03	4	13	10.000	2.181	06	4	14	0.190	2.542	06
4	13	0.015	9.450	03	4	13	12.000	1.735	06	4	14	0.200	2.699	06
4	13	0.020	1.667	04	4	13	14.000	1.352	06	4	14	0.220	2.986	06
4	13	0.025	2.580	04	4	13	16.000	1.041	06	4	14	0.240	3.236	06
4	13	0.030	3.674	04	4	13	18.000	7.972	05	4	14	0.260	3.445	06
4	13	0.035	4.938	04	4	13	20.000	6.121	05	4	14	0.280	3.612	06
4	13	0.040	6.360	04	4	13	25.000	3.295	05	4	14	0.300	3.739	06
4	13	0.050	9.636	04	4	13	30.000	1.927	05	4	14	0.350	3.895	06
4	13	0.060	1.343	05	4	13	35.000	1.229	05	4	14	0.400	3.880	06
4	13	0.070	1.768	05	4	13	40.000	8.345	04	4	14	0.450	3.771	06
4	13	0.080	2.236	05	4	13	45.000	5.966	04	4	14	0.500	3.631	06
4	13	0.090	2.745	05	4	13	50.000	4.441	04	4	14	0.600	3.406	06
4	13	0.100	3.293	05	4	13	60.000	2.691	04	4	14	0.700	3.307	06
4	13	0.110	3.879	05	4	13	70.000	1.776	04	4	14	0.800	3.309	06
4	13	0.120	4.502	05	4	13	80.000	1.246	04	4	14	0.900	3.379	06
4	13	0.130	5.159	05	4	13	90.000	9.140	03	4	14	1.000	3.452	06
4	13	0.140	5.847	05	4	13	100.000	6.943	03	4	14	1.200	3.559	06
4	13	0.150	6.562	05	4	13	110.000	5.422	03	4	14	1.400	3.583	06
4	13	0.160	7.300	05	4	13	120.000	4.331	03	4	14	1.600	3.541	06
4	13	0.170	8.057	05	4	13	130.000	3.525	03	4	14	1.800	3.470	06
4	13	0.180	8.829	05	4	13	140.000	2.915	03	4	14	2.000	3.394	06
4	13	0.190	9.612	05	4	13	150.000	2.443	03	4	14	2.500	3.243	06
4	13	0.200	1.040	06	4	13	160.000	2.072	03	4	14	3.000	3.150	06
4	13	0.220	1.199	06	4	13	170.000	1.776	03	4	14	3.500	3.092	06
4	13	0.240	1.356	06	4	13	180.000	1.536	03	4	14	4.000	3.040	06
4	13	0.260	1.509	06	4	13	190.000	1.339	03	4	14	4.500	2.984	06
4	13	0.280	1.658	06	4	13	200.000	1.175	03	4	14	5.000	2.924	06
4	13	0.300	1.800	06	4	13	210.000	1.039	03	4	14	5.500	2.858	06
4	13	0.350	2.126	06	4	13	220.000	9.231	02	4	14	6.000	2.784	06
4	13	0.400	2.406	06	4	13	230.000	8.250	02	4	14	6.500	2.705	06
4	13	0.450	2.644	06	4	13	240.000	7.408	02	4	14	7.000	2.622	06
4	13	0.500	2.845	06						4	14	8.000	2.450	06
4	13	0.600	3.156	06	4	14	0.005	2.796	03	4	14	9.000	2.271	06
4	13	0.700	3.361	06	4	14	0.010	1.117	04	4	14	10.000	2.091	06
4	13	0.800	3.477	06	4	14	0.015	2.509	04	4	14	12.000	1.741	06
4	13	0.900	3.529	06	4	14	0.020	4.448	04	4	14	14.000	1.420	06
4	13	1.000	3.539	06	4	14	0.025	6.926	04	4	14	16.000	1.140	06
4	13	1.200	3.517	06	4	14	0.030	9.932	04	4	14	18.000	9.077	05
4	13	1.400	3.515	06	4	14	0.035	1.345	05	4	14	20.000	7.196	05
4	13	1.600	3.542	06	4	14	0.040	1.747	05	4	14	25.000	4.066	05
4	13	1.800	3.587	06	4	14	0.050	2.694	05	4	14	30.000	2.413	05
4	13	2.000	3.639	06	4	14	0.060	3.816	05	4	14	35.000	1.533	05

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$		n'	n	α	$S(\alpha)$	
4	14	40.000	1.039	05	4	15	0.450	1.740	06	4	15	240.000	1.100	03
4	14	45.000	7.381	04	4	15	0.500	1.891	06	4	16	0.005	2.378	03
4	14	50.000	5.461	04	4	15	0.600	2.158	06	4	16	0.010	9.505	03
4	14	60.000	3.278	04	4	15	0.700	2.373	06	4	16	0.015	2.135	04
4	14	70.000	2.150	04	4	15	0.800	2.532	06	4	16	0.020	3.788	04
4	14	80.000	1.501	04	4	15	0.900	2.639	06	4	16	0.025	5.902	04
4	14	90.000	1.097	04	4	15	1.000	2.702	06	4	16	0.030	8.469	04
4	14	100.000	8.315	03	4	15	1.200	2.749	06	4	16	0.035	1.148	05
4	14	110.000	6.480	03	4	15	1.400	2.756	06	4	16	0.040	1.492	05
4	14	120.000	5.168	03	4	15	1.600	2.768	06	4	16	0.050	2.306	05
4	14	130.000	4.201	03	4	15	1.800	2.788	06	4	16	0.060	3.275	05
4	14	140.000	3.470	03	4	15	2.000	2.813	06	4	16	0.070	4.387	05
4	14	150.000	2.906	03	4	15	2.500	2.876	06	4	16	0.080	5.624	05
4	14	160.000	2.463	03	4	15	3.000	2.896	06	4	16	0.090	6.971	05
4	14	170.000	2.109	03	4	15	3.500	2.878	06	4	16	0.100	8.408	05
4	14	180.000	1.823	03	4	15	4.000	2.839	06	4	16	0.110	9.917	05
4	14	190.000	1.588	03	4	15	4.500	2.791	06	4	16	0.120	1.148	06
4	14	200.000	1.394	03	4	15	5.000	2.737	06	4	16	0.130	1.307	06
4	14	210.000	1.231	03	4	15	5.500	2.680	06	4	16	0.140	1.468	06
4	14	220.000	1.094	03	4	15	6.000	2.623	06	4	16	0.150	1.628	06
4	14	230.000	9.774	02	4	15	6.500	2.565	06	4	16	0.160	1.786	06
4	14	240.000	8.774	02	4	15	7.000	2.503	06	4	16	0.170	1.941	06
4	15	0.005	5.971	02	4	15	8.000	2.372	06	4	16	0.180	2.090	06
4	15	0.010	2.387	03	4	15	9.000	2.237	06	4	16	0.190	2.232	06
4	15	0.015	5.365	03	4	15	10.000	2.094	06	4	16	0.200	2.367	06
4	15	0.020	9.523	03	4	15	12.000	1.807	06	4	16	0.220	2.610	06
4	15	0.025	1.485	04	4	15	14.000	1.530	06	4	16	0.240	2.813	06
4	15	0.030	2.134	04	4	15	16.000	1.277	06	4	16	0.260	2.974	06
4	15	0.035	2.897	04	4	15	18.000	1.053	06	4	16	0.280	3.092	06
4	15	0.040	3.771	04	4	15	20.000	8.616	05	4	16	0.300	3.171	06
4	15	0.050	5.849	04	4	15	25.000	5.172	05	4	16	0.350	3.220	06
4	15	0.060	8.347	04	4	15	30.000	3.166	05	4	16	0.400	3.125	06
4	15	0.070	1.124	05	4	15	35.000	2.024	05	4	16	0.450	2.965	06
4	15	0.080	1.450	05	4	15	40.000	1.367	05	4	16	0.500	2.798	06
4	15	0.090	1.811	05	4	15	45.000	9.699	04	4	16	0.600	2.561	06
4	15	0.100	2.202	05	4	15	50.000	7.139	04	4	16	0.700	2.462	06
4	15	0.110	2.620	05	4	15	60.000	4.245	04	4	16	0.800	2.466	06
4	15	0.120	3.063	05	4	15	70.000	2.764	04	4	16	0.900	2.527	06
4	15	0.130	3.527	05	4	15	80.000	1.919	04	4	16	1.000	2.596	06
4	15	0.140	4.007	05	4	15	90.000	1.398	04	4	16	1.200	2.716	06
4	15	0.150	4.502	05	4	15	100.000	1.056	04	4	16	1.400	2.774	06
4	15	0.160	5.007	05	4	15	110.000	8.210	03	4	16	1.600	2.774	06
4	15	0.170	5.520	05	4	15	120.000	6.535	03	4	16	1.800	2.741	06
4	15	0.180	6.038	05	4	15	130.000	5.304	03	4	16	2.000	2.692	06
4	15	0.190	6.558	05	4	15	140.000	4.376	03	4	16	2.500	2.583	06
4	15	0.200	7.077	05	4	15	150.000	3.661	03	4	16	3.000	2.512	06
4	15	0.220	8.107	05	4	15	160.000	3.100	03	4	16	3.500	2.476	06
4	15	0.240	9.112	05	4	15	170.000	2.653	03	4	16	4.000	2.447	06
4	15	0.260	1.008	06	4	15	180.000	2.291	03	4	16	4.500	2.421	06
4	15	0.280	1.102	06	4	15	190.000	1.995	03	4	16	5.000	2.390	06
4	15	0.300	1.190	06	4	15	200.000	1.750	03	4	16	5.500	2.357	06
4	15	0.350	1.394	06	4	15	210.000	1.545	03	4	16	6.000	2.322	06
4	15	0.400	1.576	06	4	15	220.000	1.373	03	4	16	6.500	2.281	06
					4	15	230.000	1.226	03					

Table IV. THE STARK BROADENING FUNCTIONS, $S(a)$

n'	n	a	$S(a)$	
4	16	7.000	2.238	06
4	16	8.000	2.144	06
4	16	9.000	2.043	06
4	16	10.000	1.938	06
4	16	12.000	1.721	06
4	16	14.000	1.503	06
4	16	16.000	1.294	06
4	16	18.000	1.101	06
4	16	20.000	9.287	05
4	16	25.000	5.932	05
4	16	30.000	3.783	05
4	16	35.000	2.470	05
4	16	40.000	1.673	05
4	16	45.000	1.183	05
4	16	50.000	8.709	04
4	16	60.000	5.133	04
4	16	70.000	3.317	04
4	16	80.000	2.291	04
4	16	90.000	1.661	04
4	16	100.000	1.250	04
4	16	110.000	9.697	03
4	16	120.000	7.703	03
4	16	130.000	6.241	03
4	16	140.000	5.142	03
4	16	150.000	4.296	03
4	16	160.000	3.634	03
4	16	170.000	3.107	03
4	16	180.000	2.682	03
4	16	190.000	2.334	03
4	16	200.000	2.046	03
4	16	210.000	1.806	03
4	16	220.000	1.603	03
4	16	230.000	1.431	03
4	16	240.000	1.284	03
4	17	0.005	4.734	02
4	17	0.010	1.892	03
4	17	0.015	4.252	03
4	17	0.020	7.546	03
4	17	0.025	1.177	04
4	17	0.030	1.690	04
4	17	0.035	2.293	04
4	17	0.040	2.984	04
4	17	0.050	4.621	04
4	17	0.060	6.585	04
4	17	0.070	8.852	04
4	17	0.080	1.140	05
4	17	0.090	1.420	05
4	17	0.100	1.722	05
4	17	0.110	2.044	05
4	17	0.120	2.382	05
4	17	0.130	2.733	05
4	17	0.140	3.095	05
4	17	0.150	3.464	05

n'	n	a	$S(a)$	
4	17	0.160	3.838	05
4	17	0.170	4.214	05
4	17	0.180	4.590	05
4	17	0.190	4.964	05
4	17	0.200	5.333	05
4	17	0.220	6.053	05
4	17	0.240	6.740	05
4	17	0.260	7.388	05
4	17	0.280	7.996	05
4	17	0.300	8.565	05
4	17	0.350	9.837	05
4	17	0.400	1.096	06
4	17	0.450	1.201	06
4	17	0.500	1.303	06
4	17	0.600	1.503	06
4	17	0.700	1.687	06
4	17	0.800	1.844	06
4	17	0.900	1.968	06
4	17	1.000	2.059	06
4	17	1.200	2.161	06
4	17	1.400	2.199	06
4	17	1.600	2.213	06
4	17	1.800	2.224	06
4	17	2.000	2.237	06
4	17	2.500	2.273	06
4	17	3.000	2.301	06
4	17	3.500	2.302	06
4	17	4.000	2.287	06
4	17	4.500	2.263	06
4	17	5.000	2.236	06
4	17	5.500	2.205	06
4	17	6.000	2.173	06
4	17	6.500	2.141	06
4	17	7.000	2.108	06
4	17	8.000	2.038	06
4	17	9.000	1.961	06
4	17	10.000	1.880	06
4	17	12.000	1.707	06
4	17	14.000	1.528	06
4	17	16.000	1.350	06
4	17	18.000	1.180	06
4	17	20.000	1.022	06
4	17	25.000	6.939	05
4	17	30.000	4.631	05
4	17	35.000	3.114	05
4	17	40.000	2.140	05
4	17	45.000	1.517	05
4	17	50.000	1.112	05
4	17	60.000	6.539	04
4	17	70.000	4.196	04
4	17	80.000	2.879	04
4	17	90.000	2.078	04
4	17	100.000	1.558	04
4	17	110.000	1.205	04

Table IV. THE STARK BROADENING FUNCTIONS, $S(\alpha)$

n'	n	α	$S(\alpha)$	
4	17	120.000	9.549	03
4	17	130.000	7.722	03
4	17	140.000	6.352	03
4	17	150.000	5.301	03
4	17	160.000	4.479	03
4	17	170.000	3.826	03
4	17	180.000	3.299	03
4	17	190.000	2.869	03
4	17	200.000	2.513	03
4	17	210.000	2.217	03
4	17	220.000	1.967	03
4	17	230.000	1.755	03
4	17	240.000	1.574	03
4	18	0.005	1.296	02
4	18	0.010	8.862	03
4	18	0.015	1.991	04
4	18	0.020	3.531	04
4	18	0.025	5.500	04
4	18	0.030	7.891	04
4	18	0.035	1.069	05
4	18	0.040	1.390	05
4	18	0.050	2.145	05
4	18	0.060	3.044	05
4	18	0.070	4.072	05
4	18	0.080	5.214	05
4	18	0.090	6.452	05
4	18	0.100	7.769	05
4	18	0.110	9.146	05
4	18	0.120	1.056	06
4	18	0.130	1.200	06
4	18	0.140	1.345	06
4	18	0.150	1.488	06
4	18	0.160	1.628	06
4	18	0.170	1.763	06
4	18	0.180	1.893	06
4	18	0.190	2.016	06
4	18	0.200	2.131	06
4	18	0.220	2.333	06
4	18	0.240	2.496	06
4	18	0.260	2.618	06
4	18	0.280	2.700	06
4	18	0.300	2.745	06
4	18	0.350	2.726	06
4	18	0.400	2.585	06
4	18	0.450	2.400	06
4	18	0.500	2.221	06
4	18	0.600	1.974	06
4	18	0.700	1.868	06
4	18	0.800	1.866	06

n'	n	α	$S(\alpha)$	
4	18	0.900	1.917	06
4	18	1.000	1.981	06
4	18	1.200	2.106	06
4	18	1.400	2.186	06
4	18	1.600	2.216	06
4	18	1.800	2.209	06
4	18	2.000	2.182	06
4	18	2.500	2.100	06
4	18	3.000	2.042	06
4	18	3.500	2.010	06
4	18	4.000	1.994	06
4	18	4.500	1.980	06
4	18	5.000	1.965	06
4	18	5.500	1.948	06
4	18	6.000	1.928	06
4	18	6.500	1.908	06
4	18	7.000	1.885	06
4	18	8.000	1.833	06
4	18	9.000	1.776	06
4	18	10.000	1.715	06
4	18	12.000	1.585	06
4	18	14.000	1.447	06
4	18	16.000	1.307	06
4	18	18.000	1.168	06
4	18	20.000	1.034	06
4	18	25.000	7.419	05
4	18	30.000	5.189	05
4	18	35.000	3.610	05
4	18	40.000	2.538	05
4	18	45.000	1.819	05
4	18	50.000	1.337	05
4	18	60.000	7.832	04
4	18	70.000	5.000	04
4	18	80.000	3.411	04
4	18	90.000	2.449	04
4	18	100.000	1.829	04
4	18	110.000	1.410	04
4	18	120.000	1.114	04
4	18	130.000	8.993	03
4	18	140.000	7.383	03
4	18	150.000	6.152	03
4	18	160.000	5.192	03
4	18	170.000	4.430	03
4	18	180.000	3.816	03
4	18	190.000	3.316	03
4	18	200.000	2.903	03
4	18	210.000	2.559	03
4	18	220.000	2.270	03
4	18	230.000	2.024	03
4	18	240.000	1.815	03

Table V. CONSTANTS FOR SERIES EXPANSION $W(\beta)$

l	Exact Series		Asymptotic Series	
1	-4.6302641	- 1	2.3498579	0
2	1.2259504	- 1	1.2000000	1
3	-2.3809524	- 2	3.3926074	1
4	3.7353035	- 3	0.0000000	
5	-4.9813631	- 4	-7.0290585	2
6	5.8275059	- 5	-5.0400000	3
7	-6.1092333	- 6	-1.9198116	4
8	5.8282712	- 7	0.0000000	
9	-5.1190067	- 8	6.5243597	5
10	4.1770193	- 9	5.7657600	6
11	-3.1896777	-10	2.6545989	7
12	2.2930992	-11	0.0000000	
13	-1.5597771	-12	-1.2584458	9
14	1.0080993	-13	-1.2893126	10
15	-6.2132975	-15	-6.8124613	10
16	3.6634243	-16	0.0000000	
17	-2.0720335	-17	4.1465536	12
18	1.1269608	-18	4.7621142	13
19	-5.9069649	-20	2.8032430	14
20	2.9895512	-21	0.0000000	
21	-1.4634981	-22	-2.0840360	16
22	6.9407984	-24	-2.6266246	17
23	-3.1936126	-25	-1.6898453	18
24	1.4275155	-26		
25	-6.2062324	-28		
26	2.6272722	-29		
27	-1.0840671	-30		
28	4.3640799	-32		
29	-1.7155240	-33		
30	6.5905892	-35		
31	-2.4763221	-36		
32	9.1065994	-38		
33	-3.2799171	-39		
34	1.1577125	-40		
35	-4.0070755	-42		

THE NATIONAL BUREAU OF STANDARDS

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Optics and Metrology. Photometry and Colorimetry. Optical Instruments. Photographic Technology. Length. Engineering Metrology.

Heat. Temperature Physics. Thermodynamics. Cryogenic Physics. Rheology. Engine Fuels. Free Radicals Research.

Atomic and Radiation Physics. Spectroscopy. Radiometry. Mass Spectrometry. Solid State Physics. Electron Physics. Atomic Physics. Neutron Physics. Radiation Theory. Radioactivity. X-rays. High Energy Radiation. Nucleonic Instrumentation. Radiological Equipment.

Chemistry. Organic Coatings. Surface Chemistry. Organic Chemistry. Analytical Chemistry. Inorganic Chemistry. Electrodeposition. Molecular Structure and Properties of Gases. Physical Chemistry. Thermochemistry. Spectrochemistry. Pure Substances.

Mechanics. Sound. Mechanical Instruments. Fluid Mechanics. Engineering Mechanics. Mass and Scale. Capacity, Density, and Fluid Meters. Combustion Controls.

Organic and Fibrous Materials. Rubber. Textiles. Paper. Leather. Testing and Specifications. Polymer Structure. Plastics. Dental Research.

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Radio Propagation Engineering. Data Reduction Instrumentation. Modulation Systems. Navigation Systems. Radio Noise. Tropospheric Measurements. Tropospheric Analysis. Radio Systems Application Engineering. Radio-Meteorology. Lower Atmosphere Physics.

Radio Standards. High Frequency Electrical Standards. Radio Broadcast Service. High Frequency Impedance Standards. Electronic Calibration Center. Microwave Physics. Microwave Circuit Standards.

Radio Communication and Systems. Low Frequency and Very Low Frequency Research. High Frequency and Very High Frequency Research. Ultra High Frequency and Super High Frequency. Modulation Research. Antenna Research. Navigation Systems. Systems Analysis. Field Operations.

